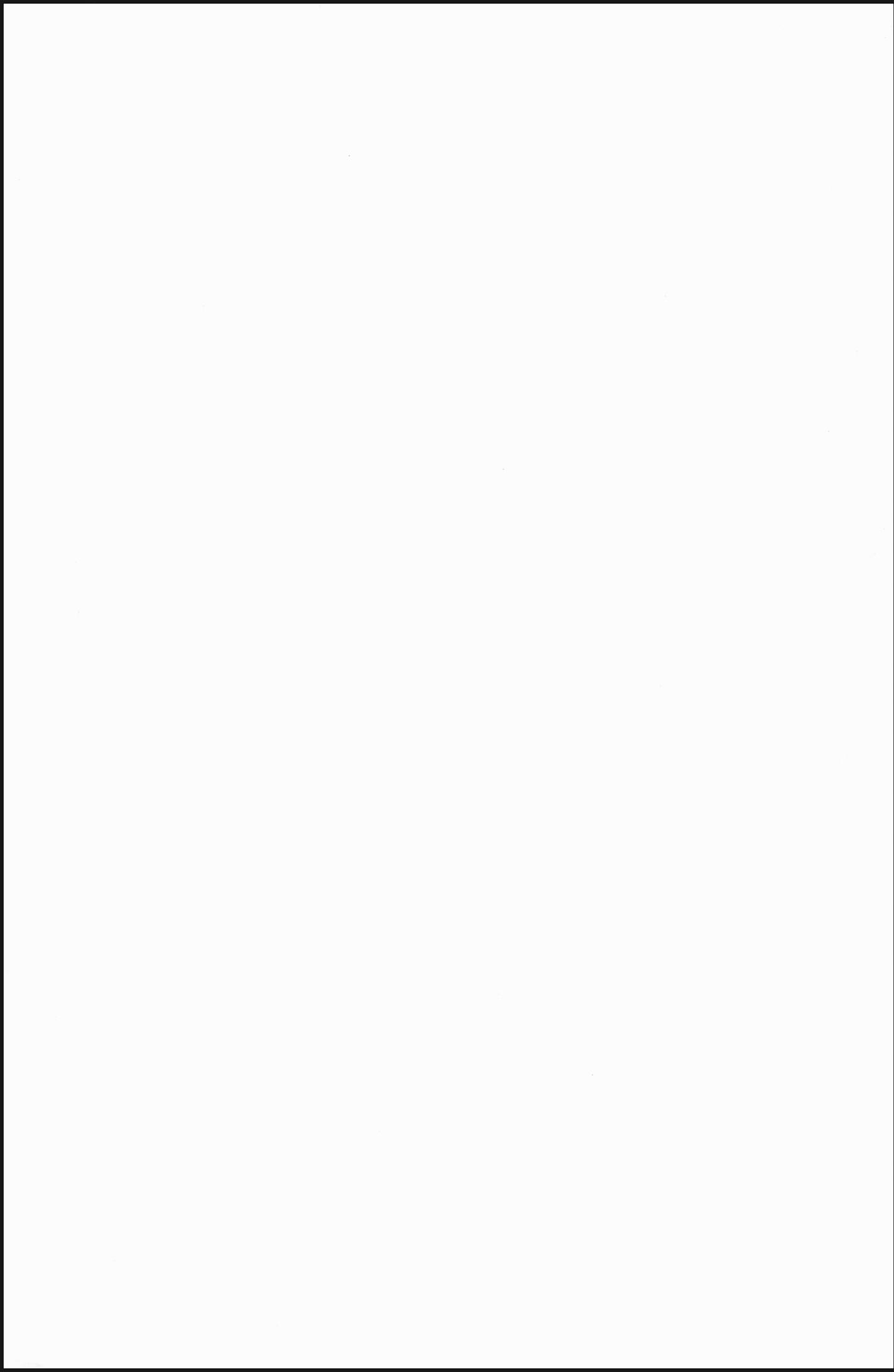


SEASONALLY ADJUSTED INDICATORS

1967



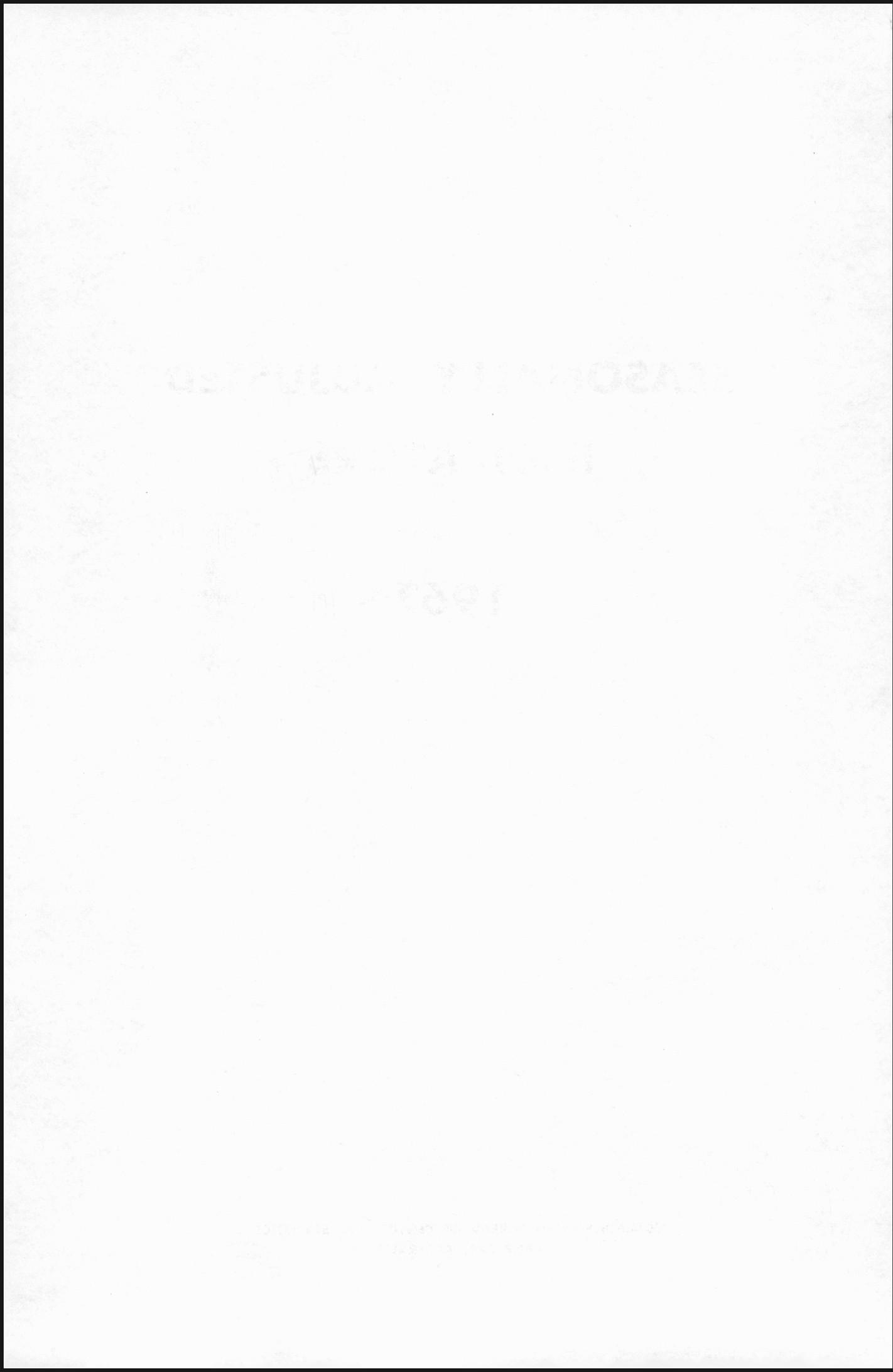
**COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
CANBERRA, AUSTRALIA**



SEASONALLY ADJUSTED INDICATORS

1967

**COMMONWEALTH BUREAU OF CENSUS AND STATISTICS
CANBERRA, AUSTRALIA**



SEASONALLY ADJUSTED INDICATORS

1967

Preface

This bulletin presents in seasonally adjusted form forty-eight selected series of statistical indicators of Australian economic activity. The seasonal adjustment of these series is intended to serve as an aid in statistical interpretation and analysis.

Later figures in these series, and other series to be seasonally adjusted, will be published in existing monthly and quarterly publications of this Bureau. The purposes of the present bulletin are to provide figures for the past ten years or so, for the sake of historical perspective, and to give a detailed description of the methods used.

As is well known, seasonal adjustment may be carried out by means of any one of a number of recognised procedures. Each of these can be expected to yield results differing in greater or lesser degree from those of other methods. In interpreting particular seasonally adjusted statistics it is necessary therefore to bear in mind the methods by which they have been derived and the limitations to which the methods used are subject. The explanation given in the following pages of the seasonal adjustment methods used by this Bureau is intended to serve these purposes.

The seasonally adjusted series published in this volume have been calculated by means of the Commonwealth Bureau of Census and Statistics Control Data Corporation 3600 Electronic Computer. Without access to powerful electronic computing equipment and expert programming services, it would not have been possible to carry out the elaborate seasonal analyses upon which these results are based.

The basic computer programs employed are those of the U.S. Census Bureau Method II, X-11 Variant, and were supplied along with the essential operating instructions and technical papers by Dr. A. Ross Eckler, the Director of the United States Bureau of the Census whose generous assistance is gratefully acknowledged.

The computer programs as originally supplied have been amended in some minor respects and extended in various ways in order to adapt them to this Bureau's computer configuration and to meet particular operational requirements. By these means it has been possible to systematise the extensive and intricate analyses which are needed in order to specify the particular variation of the seasonal adjustment method to be used for each series, and to assess the results obtained. It has also been possible to present in this bulletin numerical data and graphs as automatic computer print-out for subsequent printing by a photo-reduction process.

The accompanying graphs have been produced by means of the Calcomp Digital Plotter installed in the Commonwealth Scientific and Industrial Research Organisation Computer Centre in Canberra. Special acknowledgement is made of the assistance given by the Director (Dr G.N. Lance) and his staff.

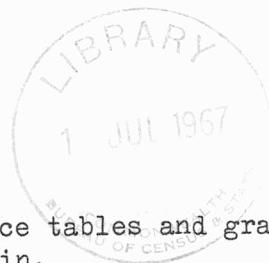
As will be evident, the production of this bulletin has required considerable effort on the part of many highly trained and experienced members of my staff. Whilst it is not possible to mention all, special acknowledgement is made to Dr F.B. Horner and Mr E.K. Foreman, who directed the work and to Messrs K.R.W. Brewer and A.W. Roche and their staff who were largely responsible for the research connected with the project and the production of this bulletin. Further acknowledgement is made to Mr H.F. Brophy and his staff who were responsible for computer programming.

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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T.

JULY 1967

SEASONALLY ADJUSTED INDICATORS1967ADDITIONAL DATA

The following figures have become available since tables and graphs
these particular series were prepared for this bulletin.

| age | Series | Original | Seasonally Adjusted |
|-----|---|--|------------------------|
| | <u>Wage and Salary Earners in Civilian Employment</u> | | |
| 2 | Males ('000) | April 1967 r 2,635.6 May 1967 p 2,640.6 | 2,625.9 p 2,633.5 |
| 3 | Females ('000) | May 1967 p 1,139.9 | p 1,140.0 |
| 4 | Persons ('000) | April 1967 r 3,775.0 May 1967 p 3,780.5 | 3,762.6 p 3,773.3 |
| 5 | Private - Persons ('000) | April 1967 r 2,806.1 May 1967 p 2,809.4 | 2,798.8 p 2,806.9 |
| 6 | Government - Persons ('000) | May 1967 p 971.1 | 966.0 |
| 7 | Manufacturing - Persons ('000) | April 1967 r 1,275.8 May 1967 p 1,274.7 | r 1,270.5 p 1,274.4 |
| 8 | Commerce - Persons ('000) | May 1967 p 649.3 | p 650.0 |
| | <u>Number Receiving Unemployment Benefit</u> | | |
| 9 | Males | June 1967 15,833 | 15,239 |
| 0 | Females | June 1967 7,561 | 6,899 |
| 1 | Persons | June 1967 23,394 | 22,091 |
| | <u>New Motor Vehicles Registered</u> | | |
| 4 | Cars and Station Wagons | May 1967 r 29,144 June 1967 p 27,396 | r 27,520 p 28,070 |
| 5 | Vehicles other than Cars and Station Wagons | May 1967 r 7,547 June 1967 p 6,725 | r 6,603 p 6,273 |
| 6 | Total | May 1967 r 36,691 June 1967 p 34,121 | r 33,661 p 34,431 |

ADDITIONAL DATA - continued

| Page | Series | Original | Seasonal Adjusted |
|------|---|------------|-------------------|
| | <u>Buildings Commenced</u> | | |
| 39 | New Houses and Flats Commenced - Number Quarter Ended March 1967 | r 28,299 | r 29,0 |
| 40 | New Buildings, other than New Houses and Flats, Commenced - Value (\$ million) Quarter Ended March 1967 | 216.7 | 21 |
| 41 | Total New Buildings Commenced - Value (\$ million) Quarter Ended March 1967 | 447.6 | 45 |
| | <u>Major Trading Banks</u> | | |
| 46 | Total Deposits (\$ million) June 1967 | 5,264.8 | 5,350 |
| 47 | Loans, Advances and Bills Discounted (\$ million) May 1967 | r 3,136.7 | r 3,09 |
| | June 1967 | 3,180.9 | 3,11 |
| | <u>Instalment Credit for Retail Sales</u> | | |
| 48 | Non-retail Finance Businesses - Balances Outstanding (\$ million) May 1967 | rp 1,096.8 | 1,10 |
| | June 1967 | p 1,104.0 | 1,11 |

r - revised

p - preliminary, subject to revision.

SEASONALLY ADJUSTED INDICATORS

1967

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NOTE: All figures relate to Australia as a whole unless otherwise stated.

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INTERPRETATION OF SEASONALLY ADJUSTED STATISTICS

Users of seasonally adjusted statistics should bear the following points in mind.

1. Seasonal adjustment is a means of removing the effect of the estimated normal seasonal variation from statistical series.
2. It does not remove the effect of other influences from the statistics; in particular it does not remove any unusual irregular movement which may be present in any particular month or quarter. Therefore an unexpected upward or downward movement in a seasonally adjusted series does not necessarily denote a change of trend.
3. Among the irregular movements (i.e. those not removed by seasonal adjustment) would be movements due to any abnormal "seasonal" effect: e.g. the effect of the fruit-picking season starting early or late in a particular year. This effect would remain in the adjusted figures.
4. As well as being adjusted for seasonal variation, some of the statistical series included in this bulletin have been adjusted for the effects of some calendar irregularities, namely: "trading-day" effects (e.g. having four or five Fridays in a particular month); and the effects of moveable holidays, i.e. Easter and Australia Day. These adjustments have been made where warranted by prior analyses. Since these adjustments materially affect the results, users should particularly note whether or not these calendar adjustments have been made to particular series. This is indicated in Appendix B.
5. The methods of seasonal adjustment used in this bulletin allow for gradual changes in the seasonal pattern, so that current figures are adjusted in accordance with the estimated normal seasonal pattern of the recent past.
6. However, the methods used may not give an adequate adjustment if there should be an abrupt change of seasonal pattern in any series in the future.
7. The methods have required judgment to be used in the choice of certain specifications - though once the specifications have been chosen, the adjustment of the statistics proceeds each month without subjective judgment having to be used. For this reason the adjusted series are always in a sense estimates, and are not definitive statistics in the same sense as the original statistics are.
8. It can be expected that seasonally adjusted statistics will be revised as additional years are brought into the analysis.
9. For these reasons, therefore, it would be neither reasonable nor prudent to regard seasonally adjusted series as in any way "definitive". They must be treated with caution as being no more than useful indicators of movements. They can without doubt be a useful aid to critical interpretation, but can in no way be a substitute for it.

For a more complete explanation of how the series included in this bulletin have been seasonally adjusted and how the results should be interpreted, reference should be made to the description which follows of the seasonal adjustment methods adopted.

INTRODUCTORY NOTESINTRODUCTION

It is often useful and sometimes necessary in interpreting quarterly and monthly statistical series to recognise and take account of the element of variation due to what are commonly known as seasonal influences. As a supplement to personal judgment, statistical techniques can be used to evaluate the effects of normal seasonal influences operating on a series. This kind of evaluation does not call for subjective judgment except in the choice of the appropriate statistical technique. The techniques are called seasonal analysis, and they are designed to enable the series to be seasonally adjusted - that is, to have the estimated effects of normal seasonal influences removed from them.

2. The object of the seasonal adjustment work of the Bureau of Census and Statistics is to publish as many as possible of the most important current statistical series with the estimated effects of normal seasonal influences removed from the series in this way. It is important that users have a clear understanding of what has been removed from the series by seasonal adjustment, and the limitations to which the seasonally adjusted series are subject. It is hoped that these introductory notes will help to achieve this object.

BASIC PROCESSES OF SEASONAL ADJUSTMENT, ILLUSTRATED BY SIMPLE METHODS

3. The methods of seasonal adjustment applied to series given in this bulletin are extremely complex, but the principles underlying them can be explained by reference to the simpler methods used before the advent of computers. These illustrate basic processes common to most methods.

Seasonal Factors as Measures of Normal Seasonal Movement

4. Normal seasonal influences on statistical series are those influences that tend to recur regularly once or more a year. Not all statistical series are affected by seasonal influences in a manner regular enough to be called "normal"; if they are not, they cannot usefully be seasonally adjusted. Those that are so affected usually reflect the influence of the seasons themselves (either directly or through production series related to them, such as farm production), or social conventions (such as the incidence of holidays) or administrative practices (such as the timing of tax payments). Many of them also reflect differences in the number of days in the month.

5. The effect of normal seasonal influences on a series is usually estimated from some sort of average of the statistics for a past period. "Normal" is thus used in the same sense as in meteorological statistics. The normal seasonal rainfall in January is the average of the January rainfalls measured over a period of years; similarly the normal seasonal gas production in January, for example, could be measured as the average of the January gas production figures over a period of years (ignoring, for the moment, any trend in production during the period). To obtain seasonally adjusted figures it is necessary to remove from the actual monthly figures the amounts judged to be due to the normal seasonal movement. This could be done by subtracting from each month's figure the normal seasonal excess or adding the normal seasonal shortfall. More commonly it would be done by dividing each month's figure by a ratio (greater or less than one) representing the ratio of that month's normal gas production to the monthly average for a full year. However, in practice the "seasonal factors" needed to do this can only be arrived at after allowance has been made for the trend in the past figures.

Measurement of Trend

6. Gas production, like most other series of economic statistics, has a long-term upward trend. The average monthly gas production for a full year will therefore tend to increase (not necessarily at an even rate) during the period under review. The common method of measuring the trend is the method of moving averages. A twelve-month moving average of a series is another series, each term of which is the average of twelve consecutive monthly figures in the original series. The centre of this moving average would fall between the sixth and seventh month. To make it fall on a particular month, the average of all pairs of consecutive months in the moving average series itself is taken; this is called a centred twelve-month moving average. The method is illustrated in Table 1. For brevity, the table shows quarters instead of months, but the principle is the same. The four-quarter moving average (called a "4-term moving average") is itself the subject of a "2-term moving average" in the next column, which in effect halves the weights of the end terms and "centres" the moving average on the required quarter.

TABLE 1
CALCULATION OF TREND BY CENTRED FOUR-QUARTER MOVING AVERAGE
(PRODUCTION OF GAS, AUSTRALIA, MILLION THERMS)

| Quarter | | Orig- inal | Four- qtr moving total | Four- qtr moving average | Centred four- qtr moving average (a) | Quarter | Orig- inal | Four- qtr moving total | Four- qtr moving average | Centred four- qtr moving average (a) |
|---------|-----|---------------|---------------------------------|-----------------------------------|---|---------|---------------|---------------------------------|-----------------------------------|---|
| 1960 | 1st | 52.8 | 265.1 | 66.3 | 66.3 | 1963 | 1st | 56.0 | 278.1 | 69.5 |
| | 2nd | 71.3 | | | | | 2nd | 74.7 | 278.8 | 69.7 |
| | 3rd | 78.9 | | | | | 3rd | 84.4 | 279.5 | 69.8 |
| | 4th | 62.1 | | | | | 4th | 63.7 | 281.9 | 70.2 |
| 1961 | 1st | 52.3 | 263.2 | 65.8 | 65.8 | 1964 | 1st | 56.7 | 282.4 | 70.6 |
| | 2nd | 70.0 | 260.5 | 65.1 | 65.5 | | 2nd | 77.1 | 284.3 | 70.9 |
| | 3rd | 78.8 | 262.1 | 65.5 | 65.3 | | 3rd | 84.9 | 285.4 | 71.1 |
| | 4th | 59.4 | 264.1 | 66.0 | 65.8 | | 4th | 65.6 | 287.7 | 71.3 |
| 1962 | 1st | 53.9 | 265.8 | 66.5 | 66.3 | 1965 | 1st | 57.8 | 289.5 | 72.2 |
| | 2nd | 72.0 | 269.4 | 67.4 | 67.0 | | 2nd | 79.4 | 289.6 | 72.4 |
| | 3rd | 80.5 | 271.5 | 67.9 | 67.7 | | 3rd | 86.7 | | |
| | 4th | 63.0 | 274.2 | 68.6 | 68.3 | | 4th | 65.7 | | |

(a) This is a 2 x 4-term moving average.

Simple Seasonal Adjustment with Allowance for Trend

7. Allowance for the trend, estimated as the centred four-quarter moving average of the original series, can be made either by subtracting trend figures from the original figures quarter by quarter or by dividing the original by the trend figures. The series of differences (plus and minus) or ratios (larger and smaller than one) so obtained are presumed to reflect the effects of all influences affecting the original series apart from the trend. In particular they are considered to include both normal seasonal influences and other, irregular, effects peculiar to the quarter in question. The differences or ratios so obtained are known as seasonal-irregular differences or ratios.

8. The normal seasonal influence for each of the four quarters of the year is estimated as an average of the seasonal-irregular differences or ratios for that quarter of successive years. These four average differences or ratios are referred to as seasonal differences or factors and may be used to adjust the original series for the normal seasonal movement of which they are estimates, thereby giving a seasonally adjusted series. If the differences are used, the method of adjustment is called additive. If the ratios are used it is called multiplicative.

TABLE 2
ADDITIVE ADJUSTMENT WITH CONSTANT SEASONALS
(PRODUCTION OF GAS, AUSTRALIA, MILLION THERMS)

| Quarter | Original | Trend (Centred four- quarter moving average) | Seasonal-Irregular differences A - B | | | | Seasonal differ- ences (See foot of table) | Season- ally adjusted series A - G |
|-------------------------------------|----------|---|--|------------|------------|------------|--|--|
| | | | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | | |
| A | B | C | D | E | F | G | H | |
| 1960 | 1st | 52.8 | | | | | - 13.5 | 66.3 |
| | 2nd | 71.3 | | | | | 5.6 | 65.7 |
| | 3rd | 78.9 | 66.3 | | 12.6 | | 13.5 | 65.4 |
| | 4th | 62.1 | 66.0 | | | - 3.9 | - 5.6 | 67.7 |
| 1961 | 1st | 52.3 | 65.8 | -13.5 | | | - 13.5 | 65.8 |
| | 2nd | 70.0 | 65.5 | | 4.5 | | 5.6 | 64.4 |
| | 3rd | 78.8 | 65.3 | | | 13.5 | 13.5 | 65.3 |
| | 4th | 59.4 | 65.8 | | | - 6.4 | - 5.6 | 65.0 |
| 1962 | 1st | 53.9 | 66.3 | -12.4 | | | - 13.5 | 67.4 |
| | 2nd | 72.0 | 67.0 | | 5.0 | | 5.6 | 66.4 |
| | 3rd | 80.5 | 67.7 | | | 12.8 | 13.5 | 67.0 |
| | 4th | 63.0 | 68.3 | | | - 5.3 | - 5.6 | 68.6 |
| 1963 | 1st | 56.0 | 69.1 | -13.1 | | | - 13.5 | 69.5 |
| | 2nd | 74.7 | 69.6 | | 5.1 | | 5.6 | 69.1 |
| | 3rd | 84.4 | 69.8 | | | 14.6 | 13.5 | 70.9 |
| | 4th | 63.7 | 70.2 | | | - 6.5 | - 5.6 | 69.3 |
| 1964 | 1st | 56.7 | 70.6 | -13.9 | | | - 13.5 | 70.2 |
| | 2nd | 77.1 | 70.9 | | 6.2 | | 5.6 | 71.5 |
| | 3rd | 84.9 | 71.3 | | | 13.6 | 13.5 | 71.4 |
| | 4th | 65.6 | 71.7 | | | - 6.1 | - 5.6 | 71.2 |
| 1965 | 1st | 57.8 | 72.2 | -14.4 | | | - 13.5 | 71.3 |
| | 2nd | 79.4 | 72.4 | | 7.0 | | 5.6 | 73.8 |
| | 3rd | 86.7 | | | | | 13.5 | 73.2 |
| | 4th | 65.7 | | | | | - 5.6 | 71.3 |
| Total | ... | ... | -67.3 | 27.8 | 67.1 | -28.2 | | |
| Average | ... | ... | -13.5 | 5.6 | 13.4 | - 5.6 | | |
| Averages adjusted to sum to zero | | ... | -13.5 | 5.6 | 13.5 | - 5.6 | | |

9. Table 2 shows how seasonal adjustment by the additive method can be carried out from the data in Table 1. Average seasonal differences from the centred four-quarter moving average are derived by taking the average of all the first-quarter differences, the average of all the second-quarter differences, and so on. These average seasonal differences (column G) are then subtracted from the original figures to give a seasonally adjusted series.

TABLE 3
MULTIPLICATIVE ADJUSTMENT WITH CONSTANT SEASONALS
(PRODUCTION OF GAS, AUSTRALIA, MILLION THERMS)

| Quarter | Original | Trend (centred four- quarter moving average) | Seasonal-irregular ratios $A \div B$ | | | | Seasonal factors (See foot of table) | Seasonally adjusted series $A \div G$ |
|--------------------------------------|----------|---|---|--------------|--------------|--------------|---|--|
| | | | 1st Qtr A B C | 2nd Qtr D | 3rd Qtr E | 4th Qtr F | | |
| 1960 | 1st | 52.8 | | | | | 0.805 | 65.6 |
| | 2nd | 71.3 | | | | | 1.080 | 66.0 |
| | 3rd | 78.9 | 66.3 | | 1.190 | | 1.197 | 65.9 |
| | 4th | 62.1 | 66.0 | | | 0.941 | 0.918 | 67.6 |
| 1961 | 1st | 52.3 | 65.8 | 0.795 | | | 0.805 | 65.0 |
| | 2nd | 70.0 | 65.5 | | 1.069 | | 1.080 | 64.8 |
| | 3rd | 78.8 | 65.3 | | 1.207 | | 1.197 | 65.8 |
| | 4th | 59.4 | 65.8 | | | 0.903 | 0.918 | 64.7 |
| 1962 | 1st | 53.9 | 66.3 | 0.813 | | | 0.805 | 67.0 |
| | 2nd | 72.0 | 67.0 | | 1.075 | | 1.080 | 66.7 |
| | 3rd | 80.5 | 67.7 | | 1.189 | | 1.197 | 67.3 |
| | 4th | 63.0 | 68.3 | | | 0.922 | 0.918 | 68.6 |
| 1963 | 1st | 56.0 | 69.1 | 0.810 | | | 0.805 | 69.6 |
| | 2nd | 74.7 | 69.6 | | 1.073 | | 1.080 | 69.2 |
| | 3rd | 84.4 | 69.8 | | 1.209 | | 1.197 | 70.5 |
| | 4th | 63.7 | 70.2 | | | 0.907 | 0.918 | 69.4 |
| 1964 | 1st | 56.7 | 70.6 | 0.803 | | | 0.805 | 70.4 |
| | 2nd | 77.1 | 70.9 | | 1.087 | | 1.080 | 71.4 |
| | 3rd | 84.9 | 71.3 | | 1.191 | | 1.197 | 70.9 |
| | 4th | 65.6 | 71.7 | | | 0.915 | 0.918 | 71.5 |
| 1965 | 1st | 57.8 | 72.2 | 0.801 | | | 0.805 | 71.8 |
| | 2nd | 79.4 | 72.4 | | 1.097 | | 1.080 | 73.5 |
| | 3rd | 86.7 | | | | | 1.197 | 72.4 |
| | 4th | 65.7 | | | | | 0.918 | 71.6 |
| Total | .. | .. | 4.022 | 5.401 | 5.986 | 4.588 | | |
| Average | .. | .. | 0.804 | 1.080 | 1.197 | 0.918 | | |
| Averages adjusted to sum to 4.000 | | .. | 0.805 | 1.080 | 1.197 | 0.918 | | |

10. In Table 3 the multiplicative method is illustrated. The seasonal factor for each quarter in column G is the average for that quarter of the "seasonal-irregular ratios", that is, the ratios of the original quarterly figure to the moving average for the quarter. These seasonal factors are divided into the original figures to give seasonally adjusted figures.

Seasonally Adjusted Figures as Combination of Trend and Irregular Components

11. In Table 2 the differences between the original series and the corresponding trend values are called seasonal-irregular differences. Similarly, in Table 3 the ratios of the original series to the corresponding trend values are called seasonal-irregular ratios. These names illustrate the assumption underlying most seasonal adjustment methods, namely, that the original series can be represented by three components; trend, seasonal and irregular. Removing the trend (either by subtraction or division) leaves the seasonal-irregulars. The seasonal (for each quarter or month of the year) is derived from these by averaging them, in order to "cancel out" irregulars. The irregular can be isolated in turn by removing both the trend and the seasonal from the original figure.

12. Thus each figure in the original series is assumed to be a combination of trend, seasonal and irregular components, and the following relationships hold :

$$\text{Original} = \text{trend} + \text{seasonal} + \text{irregular} \text{ (additive case).}$$

$$\text{Original} = \text{trend} \times \text{seasonal} \times \text{irregular} \text{ (multiplicative case).}$$

The seasonal-irregulars are the original figures with trend removed; thus :

$$\text{Seasonal} + \text{irregular} = \text{original} - \text{trend} \text{ (additive case).}$$

$$\text{Seasonal} \times \text{irregular} = \text{original} \div \text{trend} \text{ (multiplicative case).}$$

13. The seasonals are averages of the seasonal-irregulars for each January, February, etc.:

$$\text{Seasonal for January} = \text{average of (seasonal} + \text{irregular) for all Januarys} \text{ (additive case).}$$

$$\text{Seasonal for January} = \text{average of (seasonal} \times \text{irregular) for all Januarys} \text{ (multiplicative case).}$$

14. The seasonally adjusted series is the original series with the seasonal removed, which is the same as the trend and irregular combined, that is:

$$\text{Original} - \text{seasonal} = \text{trend} + \text{irregular} \text{ (additive case).}$$

$$\text{Original} \div \text{seasonal} = \text{trend} \times \text{irregular} \text{ (multiplicative case).}$$

15. Note that the existence of a seasonal as a component of a figure in a statistical series is merely an assumption. The "true" seasonal, if it exists, is not known, and the methods available only enable it to be estimated. Similarly, the trend is only the estimated trend, as the "true" trend is not known. The irregular depends entirely on the value of the estimates of seasonal and trend.

16. It may be noted in passing that a particular kind of irregular movement occurs if there is a temporary change in a seasonal influence. For example, unemployment may generally increase each year as the fruit-picking season ends, but the season may end a month early in one year. The resulting rise in unemployment may therefore not be offset by seasonal adjustment until the following month, when unemployment would be expected to increase according to the normal seasonal pattern. Therefore, the seasonally adjusted figure for the current month will show an irregular increase, followed by an irregular decrease a month later.

17. The most important inference to be drawn from this method of analysis is that seasonally adjusted series reflect irregulars as well as trend. Therefore they may not be the "smooth" series the user may expect, and they can be used only approximately as measures of trend. An apparent change of direction from one month to another may have been due to the irregular component, not to a change of trend, and the series may resume its former movement the following month. Therefore to determine whether a given change of direction in a seasonally adjusted series is a "downturn" or an "upturn" in the trend requires judgment on the part of the user, which must be based largely on the extent to which the adjusted series has shown irregular movements in the past.

Multiplicative and Additive Methods

18. The choice between multiplicative and additive methods depends upon the nature of the series. The multiplicative method is suitable if the seasonal is believed to be proportional to the trend, the additive if it is believed to be fixed, independent of the trend. Thus if the seasonal fluctuations appear to increase as the figures increase, a multiplicative method may be suitable; if they do not, an additive method. As the multiplicative method has been found to be more generally useful than additive, it will be treated as the general method in the remainder of these notes. However the procedure used by the Bureau provides for an additive option to be employed instead where it is considered more suitable.

Adjustment for Changing Seasonal

19. The normal seasonal factors for a given period can be estimated, as was shown above, by taking the average of all the January seasonal-irregulars, the average of all the Februarys, and so on. The result, however, may be unsatisfactory if the normal seasonal factors themselves have been changing during the period. They may be changing because of gradual changes in the seasonal influences at work; changes in the structure of the economy, or in consumers' tastes or habits, for example. If such changes are occurring it may be better, for example, to estimate the seasonal for January 1956 by taking the average of the January seasonal-irregulars for 1954 to 1958, than by taking the average of all January seasonal-irregulars for, say, 1947 to 1967. Likewise for January 1962, the seasonal would be estimated by taking the average of all January seasonal-irregulars from 1960 to 1964. Similarly, the other Januarys between 1956 and 1962 would each be adjusted by a different seasonal factor, derived as the average of the five seasonal-irregulars centred on that month. Thus, changing seasonals can be provided for by use of a moving average to estimate seasonal factors. This is in addition to the other moving average used to provide estimates of trend.

20. The number of years in the average could be greater or less than the five of this example; the choice would depend on the size of the irregulars and the apparent rate of change of the normal seasonals.

21. The implication of changing seasonal factors is that the factor used to adjust the January figure this year will be slightly different from that used to adjust the January figure last year, and so on. Clearly this is acceptable only if the differences are all slight, relative to the size of the irregulars customarily observed in the particular series; otherwise the existence of a normal seasonal becomes questionable. As the previous paragraph

points out, this is a matter for judgment in the choice of the period for the moving average of seasonal-irregulars; if it is short, the seasonals will tend to change rapidly and the irregulars to be small; if it is longer, the seasonals will change less rapidly and the irregulars will tend to be greater. Put another way, the separation of the seasonal and irregular components depends upon the nature of the moving average of seasonal-irregulars. If an inappropriate moving average is used, some part of the seasonal will remain in the irregular, or some part of the irregular will remain in the seasonal.

Past Seasonal Factors Applied to Current Figures

22. In the example given in Tables 2 to 3, the seasonal adjustment was applied to the same period as that from which the factors had been calculated: the period 1960 to 1965. Each month's figure was adjusted by a factor derived from the period as a whole. When changing seasonal factors are applied to past periods, it is possible to adjust each month's figure by a factor derived from a moving average of seasonal-irregulars which is centred on that same month. However, in official statistical publications, most of the interest in seasonal adjustment is concentrated on the adjustment of the latest available figures. These figures must necessarily be adjusted by seasonal factors derived from past periods. A common practice where simple computation methods are employed is to seasonally adjust the entire series using seasonal factors derived from the immediate past; for example, the five years prior to the month being adjusted. This is termed an asymmetrical adjustment. Alternatively, factors derived from the five years centred upon the year being adjusted are used to adjust all but the initial and final three years, these being adjusted by the factors derived from the initial and final five years of the series. Thus, between the middle years of the series and the current year adjusted on the experience of the recent past, there is a gradual transition from symmetrical to asymmetrical adjustment. After a period of time, what was formerly a "current" figure becomes a "past" figure, and becomes subject itself to symmetrical adjustment.

Adjustment for Calendar Irregularities

23. In addition to seasonal adjustment in the sense so far used, in most applications of seasonal adjustment, the attempt is made to remove from the series the influence of irregularities of the calendar. The fact that Januarys have 31 days and most Februarys 28, and so on, is allowed for in the evaluation of seasonal factors as described above. The effect of these differences will be removed as part of the seasonal. What will not be so removed is the effect of some Januarys having four Sundays and some five, and some four weekly pay-days, and some five, and so on. These differences will clearly have their effects on series like retail trade and new motor vehicle registrations. Any flow of goods or services, or money, that tends to follow a weekly cycle, or some cycle shorter than a month, will tend to fluctuate each month because of calendar irregularities of this kind. Variations arising from the number of working days and trading days in the same month of different years exemplify this effect.

24. If some information is available about the relative weight to be given to each day of the week, for the particular series, this information can be used to adjust the series prior to seasonal adjustment in order to remove these effects. Alternatively, the statistics themselves can be subjected to a regression analysis which relates the irregular to the number of days of each kind in each month covered by the series. On this basis the appropriate weight can be estimated for, say, a 30-day month with 5 Fridays and 5 Saturdays, and for months made up of other combinations of days of the week. These weights can be used to adjust the series, in addition to the seasonal factors themselves. Such methods have been used for many years in the Bureau's seasonally adjusted series of average weekly earnings.

LIMITATIONS OF SIMPLE SEASONAL ADJUSTMENT METHODS, AND TECHNIQUES
FOR OVERCOMING THEM

25. The methods described in the preceding paragraphs are the "classical" techniques of seasonal adjustment. A number of shortcomings of such simple methods have long been recognised. These can be overcome to a considerable extent by the more complex methods developed since automatic data processing has become available. The limitations of the simple methods, and the means available for overcoming them, are described below.

Trend fitting

26. Twelve-month moving averages (and four-quarter moving averages) are satisfactory when the trend is fairly constant, with only gradual changes of direction or slope. But when such changes occur in a relatively short space of time, as they do in some important economic series such as motor vehicle registrations, these twelve-month and four-quarter moving averages are too inflexible to measure the trend accurately. They fail to "get into the corners" at peaks and troughs of the series, because they are affected by the figures in the series that come well before and well after the peak or the trough. This means that the seasonal-irregulars occurring at peaks and troughs of the series tend to be exaggerated. This in turn affects the seasonal factors themselves, as well as being symptomatic of poor trend estimation.

27. To overcome this inflexibility, the process of trend-fitting can be improved, by means of computer techniques. Trends are fitted by an iterative process. The initial twelve-month or four-quarter moving average is used to derive a provisionally adjusted series. This series is then subjected to further trend-fitting; seasonal factors are re-estimated; a further seasonal adjustment is made; and the process is repeated. Each time, the seasonal factors and the trend and the irregulars are modified, until they become relatively stable. At this stage, the irregulars should be randomly distributed from month to month. They would have tended not to be randomly distributed at the first iteration, because large irregulars would have tended to come together in the months near the peaks and troughs, as already mentioned.

28. The trend-fitting carried out by this iterative process is improved if, after the initial evaluation of the trend by a centred twelve-month or four-quarter moving average, the moving averages employed in the iterations are varied in length, being made either shorter or longer than the original twelve-month or four-quarter moving average, according to the type of series. Trend-fitting is also improved if the terms in the moving average are weighted to give the central terms greater effect than those at the beginning and end. The trend value for each month or quarter so derived is, in effect, one point on a smooth curve (defined by the weights used), which could be fitted to the values for the months or quarters included in the average applied.

29. Because seasonal, trend and irregulars are complementary parts of a whole, any improvement effected by the process of iteration in the estimate of one part improves the others.

Effects of Extreme Values

30. The seasonal factors as estimated by the simple methods described earlier tend to be affected by extreme figures in the series which may be caused by exceptional events such as strikes, floods, unusual weather, or a change in the timing of annual holidays. Such extreme figures will appear as exceptionally large seasonal-irregulars, and these will affect the moving averages by which the seasonal factors are calculated. Although the averaging will dampen them, they will tend to show through the averages if they are large. (The large seasonal-irregulars occurring at peaks and troughs because of inadequate trend-fitting will have similar effects). They will also make the seasonal factors unstable, as the moving average will tend to jump when it takes in one of the large seasonal-irregulars, and fall when it drops one.

31. This problem can be overcome by giving the seasonal-irregular for a month or quarter so affected a reduced or zero weight in the evaluation of seasonal factors. This has the effect of replacing any value identified as extreme with one more in line with those coming immediately before or after it. The seasonal adjustment methods based on computer techniques enable the extreme figures to be identified and modified by objective means. Each initially estimated irregular is tested by being compared with the average level of variability of the others in nearby years in the series. Any that stand out by this test are identified as extreme. The weighting down of seasonal-irregulars for months or quarters, so identified, in the estimation of seasonal factors may be graduated according to the size of the extreme irregular values showing up in the test.

Estimation of Seasonal Factors

32. The methods of improving trend estimation and adjusting for extreme values just described will, at the same time, have the effect of improving the estimation of seasonal factors. Another means of improving the seasonal factors is to employ a weighted rather than a simple moving average of seasonal-irregulars in estimating them. Thus, in the symmetrical moving averages referred to in paragraph 22, the central term will have the heaviest weight and the first and last terms the lightest weights. This makes the seasonal factors more stable, as they react less sharply to the moving average adding or dropping a term. In the asymmetrical moving averages also referred to in paragraph 22, which are used for estimating seasonal factors for adjustment of current figures, the heaviest weight is given to the last term (that is, the seasonal-irregular for the most recent year), and progressively lighter weights are given to the terms for the earlier years in the moving average. This makes the seasonal factor reflect more closely any new seasonal pattern as it emerges. The computer methods make it practicable for the seasonal adjustment program to provide the graduated transition described in paragraph 22 from symmetrical moving averages for past years to asymmetrical moving averages for recent years, with appropriate changes in the weights as the transition takes place.

Allowance for Calendar Irregularities

33. Adjustment for calendar irregularities, as described in paragraph 23, can be greatly facilitated by computer methods. The processes (referred to in paragraph 24 above) of evaluating weights for individual days of the week and their transformation to adjustment factors for each month of the series can be handled automatically by a computer program. Extreme values can be identified and discarded in evaluating daily weights by a process similar to that

outlined in paragraph 31. Other forms of calendar irregularity, including the effects of moveable public holidays such as Easter, can be provided for by a computer program.

Discontinuities in Seasonal Patterns

34. Some statistical series affected by discontinuities of certain kinds may be difficult to seasonally adjust by simple methods. Such occurrences as industrial disputes and sudden changes in administrative practice, technology or economic circumstances may result in discontinuities in the seasonal patterns for some or all months and quarters of the year. The discontinuities may involve temporary interruption of the normal pattern, or the emergence of a new normal pattern. Seasonal factors estimated for such series by simple methods may not accurately reflect the changed seasonality, so that the seasonally adjusted figures for some years before and after the change would show marked fluctuations on this account. In applying simple methods of seasonal adjustment, it is a common practice to exclude from analyses periods affected by such discontinuities. The use of weighted moving averages referred to in paragraph 32 for estimating seasonal factors to some extent overcomes these problems. In other more severe cases, special allowance must be made. Computer methods offer facilities for adjusting series prior to seasonal adjustment and these can often be used to make appropriate allowance for the effects of serious discontinuities in seasonal patterns.

THE SEASONAL ADJUSTMENT METHODS EMPLOYED IN THE
COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

Choice of the "Census Method II, X-11 Variants"

35. For the purposes to be served by this Bureau, it was of obvious importance in choosing methods of seasonal adjustment that they incorporate the desirable features just mentioned. Several procedures much used in other countries were considered for adoption. Of those studied initially, none was considered entirely satisfactory as it stood. It was decided to adapt the best developed of the computer programs then available to incorporate further features aimed at improved seasonal adjustment and simplified operations. This involved reconstruction and extension of the basic computer program to allow a wider range of program options, means of assessing the effectiveness of results obtained and arrangements for producing results directly as computer print-out. Considerable progress had been made with this project with the limited man-power resources available when the United States Bureau of the Census published details of the X-11 Variants of the Census Method II seasonal adjustment programs. These programs incorporated the important statistical features considered desirable for the purposes of this Bureau, having many features akin to those of the program then being developed. It would have taken considerable work and time to bring an Australian program into full operation, and as an eminently satisfactory alternative was at hand, it was decided to adopt the Census Method II X-11 and X-11Q Variants for seasonal analysis and adjustment in all but exceptional cases. The X-11 and X-11Q computer programs, along with the necessary technical and procedural papers, were generously provided by the Director of the United States Bureau of the Census.

36. Some minor amendments have since been made to the basic programs in the Commonwealth Bureau of Census and Statistics, and they have been considerably extended to meet specific Australian requirements and to facilitate automatic presentation of results in the format preferred by this Bureau. In addition, work has had to be done to ensure that, of the numerous alternative optional procedures permitted by the programs, the most appropriate was applied in seasonally adjusting each statistical series. The essential work has now been completed to enable publication of seasonally adjusted series in this bulletin and thereafter in relevant Statistical Bulletins already published regularly. Further developmental work remains to be done in order to extend the range of available seasonally adjusted statistics.

37. The X-11 Variant for monthly series and X-11Q Variant for quarterly series are essentially elaborations of the classical methods of seasonal adjustment, incorporating features specifically designed to overcome shortcomings of the kinds described in the previous section. They are extremely elaborate and complicated programs and are hard to describe or explain in any simple terms. No more than a general outline of the special features of these programs is offered in this note. For further details reference should be made to "The X-11 Variant of the Census Method II Seasonal Adjustment Program", Technical Paper No.15, United States Department of Commerce, Bureau of the Census, November 1966, upon which the following account of the X-11 and X-11Q programs is based.

Additive and Multiplicative Adjustment

38. In both the X-11 and X-11Q programs, provision is made for either multiplicative or additive adjustment. As the latter procedure is used infrequently, the following account refers explicitly to multiplicative adjustment. With appropriate allowances for differences in concept, however, the account given of the operations and features of the multiplicative procedures would apply to the additive processes used by the X-11 programs except in some minor details.

Methods of Trend Fitting

39. In both programs estimation of the trend (referred to in the United States publications as trend-cycle) involves improving on an initial centred twelve-month moving average by the application of a moving average with Henderson weights to the initial seasonally adjusted values of the series. This process is referred to as the variable trend-cycle curve routine. It is designed to include in the trend estimate any residual component of trend remaining in the initially calculated seasonal-irregular component. In this way improved estimates of the seasonal can be obtained and the irregular component finally derived is more effectively a random (not serially correlated) series. The X-11Q program allows only a five-term weighted moving average in the estimation of trend, while the X-11 program provides, as options, a nine-, thirteen-, or twenty-three-term weighted moving average. The choice is made among these options either automatically by the program or by the use of prior judgment, based upon the ratio of the irregular and trend components as estimated by the program. If the irregular tends to be high in relation to the trend, a long moving average is indicated, to smooth out the effects of the irregulars. If it tends to be low, a short moving average is indicated, to fit the trend more closely to the curves of the data.

40. Provision is made in both programs for the extension of trend estimates to cover all months (or quarters) of the series, that is, not omitting the six months period at the beginning and end, as occurs with the simpler methods (see Table 1, for example). This enables seasonal-irregulars to be computed for every month or quarter of the series.

Adjustment for Effects of Extreme Values

41. Provision is made to identify and reduce the effects of extreme (i.e. unusually large or small) values, a feature which is called the graduated treatment of extremes. This is done automatically by a comparison of the preliminary estimates of the irregulars with their own standard deviation, as also estimated by the program. This identifies the occurrence of extreme irregulars. The seasonal-irregulars for such months or quarters are given reduced or zero weight in the estimation of seasonal factors. Unless otherwise specified, the seasonal-irregular is given full weight for calculating seasonal factors unless the estimated irregular for that month exceeds 1.5 standard deviations, zero weight if the estimated irregular exceeds 2.5 standard deviations and a proportionate intermediate weight where the estimated irregular lies between these limits. Optional alternative limits are allowed for by the X-11 programs. This is to avoid the assignment of an undue number of zero or reduced weights when the distribution of irregulars may be unusual.

Estimation of Seasonal Factors

42. In the calculation of seasonal factors, both programs employ symmetrical weighted moving averages of seasonal-irregulars, except at either end of the series where asymmetrical "transitional" weighting patterns are provided. These weighted moving averages are designed to minimise erratic year-to-year movements in the seasonal factors. To provide for series of widely differing characteristics (in terms of the average magnitude of estimated irregulars and the variability of the estimated seasonal factors), the X-11 program provides several alternative weighting patterns of varying lengths. This feature is known as the seasonal factor curve routine. Unless otherwise specified, that used by the X-11 program is a three-term moving average of a five-term (3x5) average of the seasonal-irregulars for periods other than at each end of the series, where modified "transitional" weighting patterns are used. This moving average, which is, in effect, a weighted seven-term moving average, is, except at the extreme ends of the series, centred upon the month for which the seasonal is estimated. The method of calculation of the 3x5-term moving average in symmetrical estimation of seasonal factors is illustrated in Table 4. That for asymmetrical estimation is illustrated in Table 5. As optional alternatives, a 3-, 3x3- or 3x9-term moving average may be applied. An additional option provides for a simple average of seasonal-irregulars over the entire series. The X-11Q program, however, allows only for a 3x5-term weighted moving average. The weighting patterns applied in the 3x5-term weighted moving average are set out in Table 6.

TABLE 4

CALCULATION OF 3x5-TERM MOVING AVERAGE OF SEASONAL IRREGULARS
FOR SYMMETRICAL ESTIMATION OF SEASONAL FACTORS

| Month/Year | Seasonal-irregulars | 5-term moving totals (centred) | 5-term moving averages (centred) | 3-term total of 5-term moving averages (centred) | 3x5-term average (centred) | Weights applied to seasonal-irregulars (a) |
|----------------------------------|---------------------|-----------------------------------|-------------------------------------|---|-------------------------------|--|
| SEASONAL FACTOR FOR JANUARY 1963 | | | | | | |
| January 1960 | .883 | | | | | .067 |
| January 1961 | .877 | | | | | .133 |
| January 1962 | .881 | 4.381 | .8762 | | | .200 |
| January 1963 | .874 | 4.363 | .8726 | 2.6196 | .873 | .200 |
| January 1964 | .866 | 4.354 | .8708 | | | .200 |
| January 1965 | .865 | | | | | .133 |
| January 1966 | .868 | | | | | .067 |

SEASONAL FACTOR FOR JANUARY 1964

| | | | | | | |
|--------------|------|-------|-------|--------|------|------|
| January 1961 | .877 | | | | | .067 |
| January 1962 | .881 | | | | | .133 |
| January 1963 | .874 | 4.363 | .8726 | | | .200 |
| January 1964 | .866 | 4.354 | .8708 | 2.6120 | .871 | .200 |
| January 1965 | .865 | 4.343 | .8686 | | | .200 |
| January 1966 | .868 | | | | | .133 |
| January 1967 | .870 | | | | | .067 |

(a) The X-11 and X-11Q programs apply the symmetrical 7-term moving average with these weights to obtain the same result as would be given by a 3-term moving average of the 5-term moving average.

TABLE 5
CALCULATION OF 3 X 5-TERM MOVING AVERAGE OF SEASONAL-IRREGULARS
FOR ASYMMETRICAL ESTIMATION OF SEASONAL FACTORS

| Month/Year | Seasonal-irregulars | 5-term totals (centred) | 5-term moving averages (centred) | 3-term totals of 5-term averages (centred) | 3x5-term average (centred) | Weights (a) given to seasonal-irregulars |
|----------------------------------|---------------------|-------------------------|----------------------------------|--|----------------------------|--|
| SEASONAL FACTOR FOR JANUARY 1965 | | | | | | |
| January 1962 | .881 | | | | | .066 |
| January 1963 | .874 | | | | | .133 |
| January 1964 | .866 | 4.354 | .8708 | | | .217 |
| January 1965 | .865 | 4.343 | .8686 | 2.6066 | 0.869 | .217 |
| January 1966 | .868 | 4.336 | .8672 | | | .217 |
| January 1967 | .870 | | | | | .150 |
| January 1968 | .867(b) | | | | | - |
| SEASONAL FACTOR FOR JANUARY 1966 | | | | | | |
| January 1963 | .874 | | | | | .067 |
| January 1964 | .866 | | | | | .183 |
| January 1965 | .865 | 4.343 | .8686 | | | .250 |
| January 1966 | .868 | 4.336 | .8672 | 2.6032 | 0.868 | .250 |
| January 1967 | .870 | 4.337 | .8674 | | | .250 |
| January 1968 | .867(b) | | | | | - |
| January 1969 | .867(b) | | | | | - |
| SEASONAL FACTOR FOR JANUARY 1967 | | | | | | |
| January 1964 | .866 | | | | | .150 |
| January 1965 | .865 | | | | | .283 |
| January 1966 | .868 | 4.336 | .8672 | | | .283 |
| January 1967 | .870 | 4.337 | .8674 | 2.6020 | 0.867 | .284 |
| January 1968 | .867(b) | 4.337 | .8674 | | | - |
| January 1969 | .867(b) | | | | | - |
| January 1970 | .865(c) | | | | | - |

(a) The X-11 and X-11Q programs apply these weights to extend the symmetric 3x5-term moving average. (b) Imputed value, calculated as the average of the 1964, 1965, 1966, 1967 seasonal-irregulars (the last four available seasonal-irregulars). (c) Imputed value, obtained by taking the value for 1965 (the third last available seasonal-irregular).

NOTE. This table follows on from Table 4 which is restricted to years in which symmetrical moving averages apply. It is assumed that the original figure for 1967 is the latest January figure available.

Forward Seasonal Factors

43. Provision is made for the estimation of "forward" estimates of seasonals for the twelve months (or four quarters) following the last month (or quarter) of the series. Forward seasonal factors so derived may be applied to additional (original) values of the series as they become available without the seasonal factors having to be recomputed. This has

obvious operational advantages and makes expensive computer re-analysis unnecessary except at yearly intervals. To take account of changes in the seasonal factors, the forward seasonal factor for each month is computed by adding to the seasonal factor for the last year, one-half the difference between the seasonal factor for that year and that for the preceding year. By appropriate modification of the weights used to obtain the seasonal factor for the last year, the forward factor may be expressed as a weighted average of seasonal-irregulars. Table 6 shows the weights implicit in the estimation of forward seasonal factors, for a 3 x 5-term weighted moving average.

TABLE 6
THE 3 X 5-TERM SEASONAL MOVING AVERAGE WEIGHTS

The box indicates the position of the year for which the seasonal is estimated.

| Seasonal factor for | Weights applied to seasonal-irregulars for months or quarters of the same name in seven consecutive years | | | | | | |
|--------------------------------------|---|------|--------|-------|-------|-------|-------|
| 1st year | .284 | .283 | .283 | .150 | 0 | 0 | 0 |
| 2nd year | .250 | .250 | .250 | .183 | .067 | 0 | 0 |
| 3rd year | .150 | .217 | .217 | .217 | .133 | .066 | 0 |
| 4th year | .067 | .133 | .200 | .200 | .200 | .133 | .067 |
| | .. | .. | .. | .. | .. | .. | .. |
| | .. | .. | .. | .. | .. | .. | .. |
| 4th last year | .067 | .133 | .200 | .200 | .200 | .133 | .067 |
| 3rd last year | 0 | .066 | .133 | .217 | .217 | .217 | .150 |
| 2nd last year | 0 | 0 | .067 | .183 | .250 | .250 | .250 |
| Last year | 0 | 0 | 0 | .150 | .283 | .283 | .284 |
| Forward factors, 1 year ahead (a) | 0 | 0 | -.0335 | .1335 | .2995 | .2995 | .3010 |

(a) Implicit weights (see paragraph 43).

Iteration

44. The programs proceed by iteration, in the manner described in paragraph 27, successively making improved estimates of trend and seasonal factors and progressively revising the weighting of extreme values used in the estimation of seasonal factors.

Allowance for Calendar Irregularities

45. A further feature of the X-11 program (but not the X-11Q) is the trading-day adjustment facility. One option allowed by this facility is the estimation by regression methods of seven daily weights, one for each day of the week. The trading-day regression relates the irregular series to the number of times each day occurs in each particular month; this provides a set of daily weights. From the daily weights so calculated adjustment factors are derived for each month of the series. These are applied to adjust original monthly values prior to seasonal adjustment. Alternatively, trading-day adjustments may be made in terms of seven daily weights determined independently on the basis of 'a priori' knowledge, or from previous analyses of the series. In this case, regression estimates of any residual trading-day effects are provided, together with an indication of their significance, and as a further option a combination of 'a priori' and residual regression estimates so calculated may be employed as trading-day adjustment weights.

46. If trading-day adjustment is used, allowance for the variable lengths of months may be included either with the trading-day adjustment or in the seasonal factor calculations. To allow for any evident change in the trading-day effects over the period covered by the series, provision is made to restrict the basis for the estimation of trading weights to the more recent years, instead of allowing it to extend over the entire series. The regression analysis is programmed to ignore extreme figures, that is, figures for months in respect of which the initially estimated irregulars exceed a specified limit in terms of their standard deviations. The limit is 2.5 standard deviations except where an alternative is specified.

Prior Adjustment Factors

47. The X-11 program and X-11Q program, as adapted in the Commonwealth Bureau of Census and Statistics, make provision for the application of prior adjustment factors to original values whereby account may be taken of various other recognised effects which may influence a series. One use made of this provision is the application of trading-day adjustment factors in analyses of quarterly series. This provision is also employed in adjusting for the effects of moveable holidays, such as Easter and Australia Day, which in successive years may affect different months, and for similar purposes.

48. A further use of this facility is to vary the level of the series in part or as a whole to allow a better "fit" of trend and seasonal factor estimates. An example of the use of this facility is given in paragraphs 55-58.

Adjustment for Severe Industrial Disputes

49. Both programs provide as an option a further procedure to reduce the effects on the estimated seasonal factors of any severe industrial disputes which may occur. By the application of this option, referred to as adjustment of trend-cycle for strikes, the figures for months or quarters affected by an industrial dispute are replaced in the calculation of trend by substitutes more in line with preceding and subsequent figures. The seasonal irregulars for the periods affected are then more clearly identified and discounted as extreme. In this way the distortion of seasonal patterns resulting from a severe industrial dispute should be largely eliminated from the estimated seasonal factors. The effects of an industrial dispute are, however, fully reflected in the seasonally adjusted series. Care must be exercised in using this option which may also affect estimation for periods of marked trend change.

Summary Measures

50. From the foregoing account it will be apparent that the programs provide a very large number of alternative optional procedures. To assist in the choices to be made among the various program options and to give an indication of the effectiveness of the seasonal analysis, both programs also provide for the computer to print out a wide range of results, statistical measures, tests of significance and graphs of various kinds. Selected summary measures are given in Appendix C; these are described in paragraphs 63-66 below.

Summary of Features of the X-11 Programs

51. The more important features of the monthly X-11 program may be summarised as follows :

- (a) It provides for additive as well as multiplicative adjustment (i.e. difference-from-trend as well as ratio-to-trend).
- (b) It yields improved trend estimates by applying an appropriate moving average (chosen automatically from three alternatives) to preliminary seasonally adjusted values, thereby reducing the effects of any residual trend on estimates of seasonal and irregular components. Trend estimates are made for each month of the series and thus permit estimates of seasonal-irregulars over the entire series (including the first and last six months).
- (c) It identifies and discounts the effects of extreme values in estimating seasonals and trend values.
- (d) It allows for gradual changes of seasonal pattern from year to year, estimating separate seasonals for each period as an appropriate weighted average of seasonal-irregulars for months of the same name. Four alternative weighted moving averages are provided, for series of differing degrees of irregularity.

- (e) It estimates forward factors for the twelve months after the latest figure of the series, thus enabling adjustment of additional figures for up to a year without re-analysis.
- (f) It provides for trading-day adjustments and for the estimation of such adjustments from the series itself.
- (g) It allows for optional prior adjustment of the series before analysis, to permit adjustment for influences not otherwise provided for. This facility can be used, among other things, to adjust for the changing effects of holidays such as Easter which differently affect months in successive years.
- (h) It provides as an option a further procedure designed to prevent the seasonal adjustment from being distorted by the effects of any severe industrial disputes.
- (i) It provides a range of summary measures which can be useful in selecting from among the various options available for the analysis and adjustment of a series.

52. The companion X-11Q program used for quarterly series is similar in its features but does not provide for the estimation of trading-day adjustments, or for alternative types of weighted moving averages in the estimation of seasonal factors and trend.

Aggregative Seasonal Adjustment

53. The foregoing account of seasonal adjustment methods and of the application of the X-11 programs applies to the adjustment of a series as it stands, that is, the direct adjustment of the original series. Alternatively, it is possible to adjust an aggregate series by seasonally adjusting a number of its components and adding up the results. For example, series of gas production by States could each be seasonally adjusted and the results aggregated to give a seasonally adjusted series for the Commonwealth. In cases where the component series (e.g. State series) exhibit markedly different trends and seasonal patterns, aggregative adjustment may be preferred to direct adjustment. However, the empirical studies made to date suggest that this is usually not the case with Australian series; for most of these, little difference is discernible in the effectiveness of direct and aggregative adjustment and for some, direct adjustment appears superior. As direct adjustment is simpler in operation, its use is to be favoured generally unless the results are recognisably inferior to those of an alternative aggregative adjustment. Though further evidence could lead to some change in practice, for the series included in this bulletin, direct adjustment has been employed in all cases.

54. It is to be noted in this regard that the series relating to employment, unemployment, registered vacancies, retail sales, motor vehicle registrations and capital expenditure included in this bulletin appear both as components and aggregates. Following the approach mentioned in the previous paragraph, each of these series has been adjusted independently. This means that while the unadjusted components add to the totals, the adjusted components do not add to the adjusted totals. The differences are

generally not large, in comparison with the month-to-month variability of the seasonally adjusted series.

Allowance for Abrupt Change of Seasonal Pattern

55. It has been said earlier that if the normal seasonal pattern disappeared a series could not usefully be seasonally adjusted. Nothing could be done until a new seasonal pattern had emerged. If such a thing happened, the seasonal adjustment programs described in this bulletin would be ineffective for the particular series so affected. In such a case, the adjusted series would be very irregular, with some tendency for residual seasonal peaks and troughs to show as any new seasonal pattern emerged which the old seasonal factors were incapable of neutralising. In these circumstances little could be done but to suspend publication of the adjusted series.

56. However, seasonal patterns may change partially, with perhaps only a few months of the year affected by the change. For example, the seasonal-irregulars for January might suddenly increase in magnitude, in the same direction, and continue at the new level for the next two years with only minor changes in the seasonal-irregulars for other months. This would produce residual seasonal effects for the Januaries in the adjusted series; a sharp dip might appear every January, indicating inadequate seasonal adjustment. The reasons for this change could be examined and if it were clearly due to something that was unlikely to be reversed in the short run (for example a legislative change affecting annual leave), steps could be taken, by means of a prior adjustment factor, to eliminate the residual seasonal effects. By a statistical comparison of Januaries before and after the change, a factor could be estimated by which the original January figures prior to the change could be increased, or the January figures after the change reduced, to produce a series of January figures on a comparable basis, with minor complementary adjustments to the figures for the other months. Thus, in effect, the original series would be seasonally adjusted by the product of the seasonal factors calculated by the program on the basis of the prior adjusted series and the prior adjustment factors used to allow for the abrupt change of seasonal factors.

57. Obviously, this technique must be used with great care, and of the series in this bulletin it has been applied to only four production series: electric motors under one horsepower; woven cotton cloth; woven woollen cloth; and boots and shoes. The January figures in these series appear to have been affected since 1963 by changes in plant shut-down practices associated with the extension of statutory annual leave from two to three weeks. The estimated factor to adjust the January figures for this has been applied to the January figures prior to the change, by means of a prior adjustment factor. Although the figures for other months have had to be adjusted at the same time in a complementary way, the change for these months has been quite small.

58. It should be noted that this technique should be applied only after the event, as it were, when the effects of the change on the months affected can be estimated. It cannot reasonably be applied at the time of the change in seasonality.

Summary of X-11 Program Options

59. The optional alternative procedures provided by the X-11 programs are in respect of:

- (a) Multiplicative or additive adjustment
- (b) Variable trend-cycle routine
- (c) Seasonal factor curve routine
- (d) Graduated treatment of extremes
- (e) Trading-day adjustment (for the X-11 monthly program but not the X-11Q program for quarterly series)
- (f) Prior adjustment, and
- (g) Adjustment for severe industrial disputes.

60. A wide variety of seasonal adjustment procedures is thus permitted by either program. This is to suit the widely differing characteristics of series in respect to the magnitude of the trend, seasonal and irregular components of variation and of some spasmodic influences which may affect series. A full appreciation of the methods and of the results obtained for particular series requires an understanding of the way in which available program options apply. The following brief account of the available program options is given with this in mind. Some of the options referred to are available only for the X-11 (monthly) program and not for the X-11Q (quarterly) program.

- (a) Additive or Multiplicative Adjustment. As described in paragraph 18 above, one or the other procedure must be used.
- (b) Variable Trend-cycle Curve Routine. As outlined in paragraph 39 above, the X-11 program provides as optional alternatives 9-, 13-, or 23-term (Henderson) weighted moving averages of the initially estimated seasonally adjusted series for purposes of trend estimation. The appropriate weighted moving average may either be selected automatically by the computer or be specified independently. The X-11Q program provides only a 5-term weighted moving average.
- (c) Seasonal Factor Curve Routine. As outlined in paragraphs 42 and 43 above, the X-11 program provides as optional alternatives for estimating seasonal factors 3-, 3x3-, 3x5-, or 3x9-term weighted moving averages or a simple average covering all years of the series. Unless otherwise specified, the program employs as standard a 3x5-term weighted moving average but any of the alternatives may be employed for estimating seasonal factors for any named month. The X-11Q program provides only a 3x5-term weighted moving average.
- (d) Graduated Treatment of Extremes. As mentioned in paragraph 41 above, both programs provide for graduated treatment of extremes, giving reduced or zero weight to seasonal-irregulars in the calculation of seasonal factors for months in respect of which the estimated irregular is identified as extreme by reference to their standard deviation. Zero weight is given if the

estimated irregular exceeds 2.5 standard deviations, full (unit) weight if it is less than 1.5 standard deviations and a proportionate intermediate weight if it is between these limits. Alternative limits may optionally be specified.

- (e) Trading-day Adjustment. Only the X-11 program provides for trading-day adjustment, this feature generally being unnecessary for quarterly series. If used, trading-day weights (a weight for each day of week) upon which the trading-day adjustments are based, may be derived alternatively from prior estimates derived from data independent of the series, or from regression estimates based upon an analysis of the series itself performed automatically as part of the X-11 program. A third alternative option is a combination of prior and residual regression estimates (as described in paragraph 45), again provided automatically by the program. Further X-11 program options, described in paragraph 46, provide for combination of length-of-month adjustment with either the seasonal factors or trading-day adjustments; application of regression estimation of daily weights either to the whole series or the part of a series following a specified year; and variation of limits for identifying extremes for purposes of the trading day regression.
- (f) Prior Adjustment. As described above in paragraph 47, a prior adjustment may be made to any or all of the figures in the series to yield a prior adjusted series, which is then subject to seasonal analysis. This prior adjustment is made by the application of prior adjustment factors to some or all of the months or quarters covered by the series. Prior adjustments, as mentioned in paragraphs 47 and 48 may be employed to allow for a variety of spasmodic influences. The uses actually made of this facility in the adjustment of series in this bulletin are as follows :
 - (i) Trading-day adjustment for quarterly series, in the few cases where evidence of trading-day effects is detected,
 - (ii) Easter adjustment, to standardise the incidence of Easter by adjusting the figures in years when it falls in March instead of April, in those series where this effect appears to be significant,
 - (iii) Australia Day adjustment, to allow similarly for the varying date of the Australia Day holiday in consequence of which January and February figures appear to be affected significantly, and
 - (iv) Adjustment of an abrupt change in seasonal pattern which may not otherwise be adequately handled by the program. The procedure used is outlined above in paragraph 56. This option has been used for only four series (see paragraph 57).

(g) Adjustment for Severe Industrial Disputes. This option is described in paragraph 49. No use has been made of this option in the adjustment of series included in this bulletin.

61. In the interpretation of seasonally adjusted series, the application of the standard options may be taken largely for granted by users of seasonally adjusted series as being technical in nature. These are the options concerning multiplicative or additive adjustment, the variable trend cycle curve routine, the seasonal factor curve routine and the graduated treatment of extremes ((a), (b), (c) and (d) above). Users should take note of whether use has been made of trading-day adjustment, prior adjustment for various purposes, and adjustment for severe industrial disputes ((e), (f) and (g) above). This is important as their application can markedly affect the results obtained and the interpretation to be placed on them.

62. The particular program options employed in the adjustment of each of the series included in this bulletin are set out in Appendix B, "Program Options Employed".

Summary Measures

63. Reference has been made in paragraph 50 to the large range of results, statistical measures, tests of significance and graphs provided by the X-11 programs as computer printout and to the use made of the "summary measures" in the choice of program options. Others help the user to interpret the results by giving some indication of the relative magnitude of the seasonal effects that have been removed from the series, and some guide as to how much of the variability of the series is due to trend and to irregular elements. Some of the more important and easily interpreted summary measures for each of the series included in this bulletin are given in Appendix C, "Measures of Variability".

64. The summary measures given in Appendix C are the average percentage change from month to month (without regard to sign) in the original and seasonally adjusted series, in the trend and irregular series, in the seasonal factors, and in the trading-day adjustments where these have been made. These measures, in effect, show the relative importance of each of these influences in the average variability of the series from month to month. For seasonal factors, the average percentage change from year to year (without regard to sign) is also given. This shows the average rate at which the seasonal pattern is estimated to be changing from year to year.

65. The effects removed by any prior adjustments made, such as those made in some series for Easter or Australia Day, are not included in the summary measures relating to the trend and irregular series, seasonal factors and trading-day adjustment.

66. The measures of variability given in Appendix C serve to give some indication of whether a movement in a seasonally adjusted series is attributable to influences beyond the normal irregular variation and normal changes in the seasonal pattern. It is, however, to be borne in mind that measures of the month-to-month and year-to-year change given in Appendix C are averages; changes for individual months and years may be considerably larger or smaller than the averages shown.

Revisions to Published Series

67. It will be necessary to revise published seasonally adjusted statistics from time to time. This will be necessary, not only because of amendments in the original series, but because the adjusted series will be changed every time the computer analysis is repeated to bring in another year's figures. This will mean revision of the whole seasonally adjusted series, although the changes in early years would be expected to be minor. As mentioned in paragraph 43, the X-11 programs provide for forward seasonal factors to be computed for the twelve months or four quarters following the most recent figure included in the series analysed. This means that the computer analysis must be done at least annually. Current seasonal adjustment, between the intended annual analyses, will be done by desk calculation; each unadjusted figure as it becomes available has only to be divided by a factor which combines the forward seasonal, trading-day and prior adjustment factors for that month or quarter.

68. On occasion, as a result of amendments to unadjusted figures, it will be necessary to revise the seasonally adjusted series accordingly, without waiting for the next annual computer analysis. Where a material revision has been made, one which would appreciably affect the seasonal factors, the amended series will have to be re-analysed on the computer to obtain a revised seasonally adjusted series and revised forward seasonal factors. However, in cases of isolated amendments, it can be expected that the revised seasonally adjusted series would differ perceptibly only in respect of the figures amended in the original series. Therefore the computer analysis would not be repeated for such amendments. The relevant seasonal, trading-day and prior adjustment factors would simply be applied to the amended original figure to obtain the necessary revised seasonally adjusted one.

69. The fact that seasonally adjusted series will be revised every time the computer absorbs another year's data is inherent in the nature of the X-11 program and, in fact, all complex programs of this kind. Additional new data, when added to the series, are necessarily taken into account in calculations applying to past periods. In effect, the new data provide further observations upon which estimates of trend, seasonal factors and limits for identifying extreme values are based. The later estimates, presumably the more accurate, can generally be expected to differ somewhat from earlier ones based upon a shorter series of original data. Except in special cases of the kind referred to in paragraph 72 it is intended to employ the same set of program options at successive repetitions of the computer analysis. Trading-day and prior adjustment factors may, however, be varied where this appears desirable.

70. As a rough rule of thumb, derived from Australian monthly series analysed to date, the average of the differences between successive revisions in the seasonally adjusted monthly series can be expected to be approximately one-half the average percentage change from month to month in the irregular series (given in Appendix C) for the most recent common year, but this can be expected to fall to about one-fifth of the average percentage change from month to month for years four or more earlier. Comparable revisions to quarterly series can be expected.

71. In the seasonally adjusted figures for some individual months, however, some revisions may be considerably larger (or smaller) than those suggested by this rule of thumb. This tendency is most marked for months affected by large changes in trend or seasonal pattern. As might be expected, the tendency of successive revisions is generally to "smooth out" fluctuations appearing in the initial seasonally adjusted series.

72. Although variation of the program options initially determined will be exceptional, it is considered that changes should be made where a materially improved seasonal analysis can be obtained by this means. It can, therefore, be expected that some variations in the seasonal adjustment methods applied to particular series will be made in the light of further research into seasonal adjustment procedures and investigations of the changing character of individual series.

Seasonal Adjustment of Average Earnings

73. Quarterly statistics of average earnings per employed male unit have been published by the Commonwealth Bureau of Census and Statistics in seasonally adjusted form for over twenty years. In the seasonal adjustment of these series, some special features known to affect them have had to be taken into account, such as the changeable admixture in each quarter's figure of regular weekly, fortnightly and monthly wage and salary payments and periodic variations of awards affecting the earnings and conditions of large numbers of employees.

74. Owing to these unusual features, the results so far obtained with this series from the X-11Q seasonal adjustment program have not been entirely satisfactory. In view of this, and pending revisions to the data upon which the series are based, no statistics of average earnings are included in this bulletin. It is intended for the time being to continue publication of results for these series on the same basis as hitherto in the "Wage Rates and Earnings" bulletin, the "Monthly Review of Business Statistics" and the "Labour Report".

LIMITATIONS OF SEASONALLY ADJUSTED STATISTICS

75. Despite their versatility, the X-11 programs rely essentially upon the logic of the simple classical methods described earlier. Although they overcome many of the shortcomings of simpler methods, they are subject to the same basic limitations of all such methods. Of these, the most important limitation stems from the inherent impossibility of defining precisely the trend, seasonal and irregular components (at least for statistics relating to economic and social phenomena) except in terms of estimates obtained by a particular method. Consequently, no objective assessment of reliability may be made for any such methods, and comparisons of results obtained by alternative procedures must always involve an element of judgment.

76. A further limitation derives from a fundamental assumption underlying seasonal analysis and adjustment techniques. It is assumed implicitly that while trends and seasonal patterns underlying the series may change, such changes are not abrupt. The X-11 programs, and in fact all seasonal adjustment programs yet developed, tend to yield recognisably unsatisfactory results where an abrupt change affects the seasonal pattern of a series.

77. The optional alternative procedures allowed by the X-11 programs provide some means for overcoming problems of this kind. However, the remedies provided by the X-11 program are available only some time after the change has occurred. It is impossible for the most part to recognise and assess changes in seasonality at the time they occur. The seasonal analysis alone cannot indicate whether an unexpected movement appearing in current seasonally adjusted figures denotes a variation in trend or an unusual (irregular) effect, or whether it is due to an abrupt change in seasonality.

78. Furthermore, it is to be borne in mind that by using alternative program options the X-11 programs will yield results which may differ markedly from each other. As implied above, it is sometimes by no means easy to decide which of some feasible options should be employed.

79. Consequently, it would be neither reasonable nor prudent to regard seasonally adjusted series as in any way "definitive". They must be treated with caution as being no more than useful indicators of movements. They can without doubt be a useful aid to critical interpretation, but can in no way be a substitute for it.

PRESENTATION OF SEASONALLY ADJUSTED STATISTICS

80. The series in this bulletin are presented as originally compiled and seasonally adjusted both in graphical and tabular form. Additional information, beyond that appearing with the figures for each series, is given in Appendix A, under "Explanatory Notes" and in the publications listed in Appendix A, under "Publications for Further Reference".

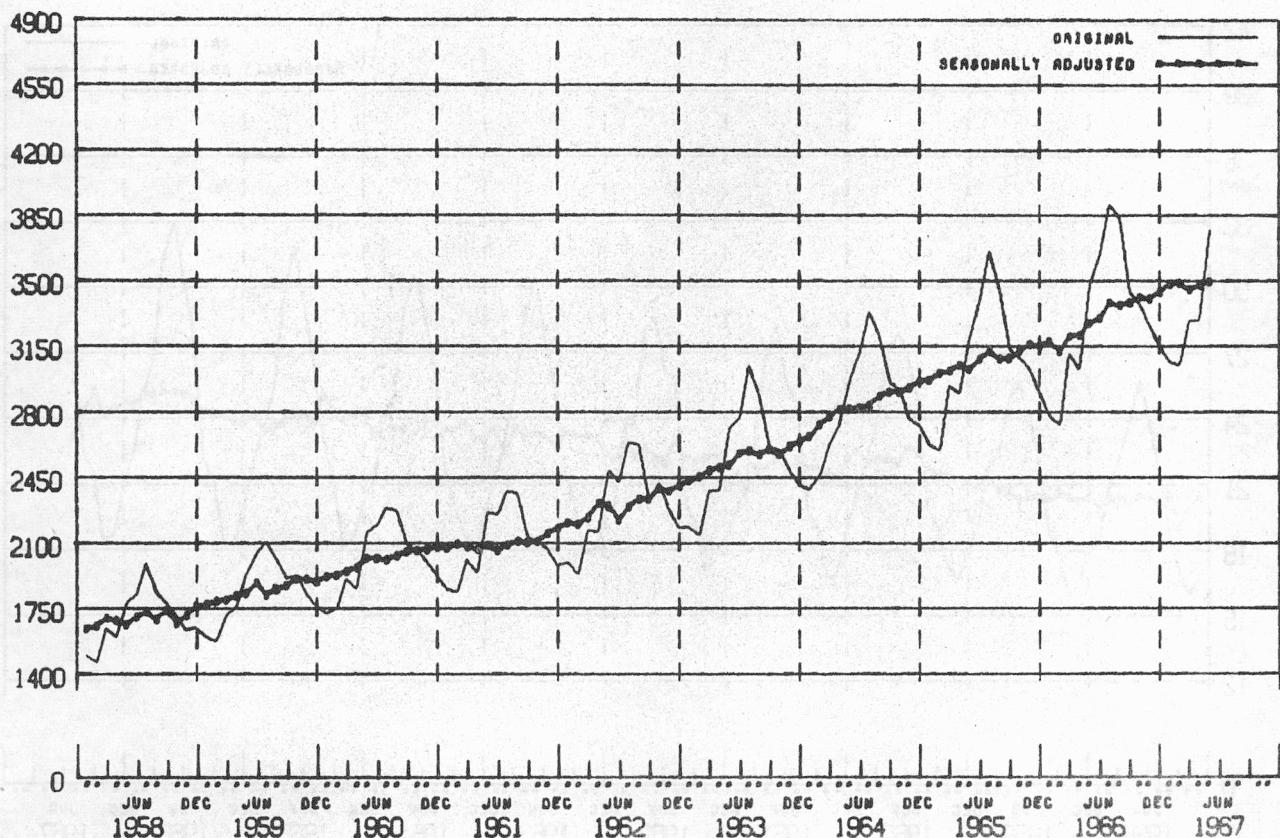
81. So that the current statistics may be seen in context, the series given in this bulletin where possible cover about ten years up to the most recent figures available. It is intended that the bulletin will be re-issued annually, following annual re-analyses of the series.

82. Further seasonally adjusted figures for each of these series are to be published, as they become available, in the relevant current publications of the Bureau of Census and Statistics as shown in Appendix A, under "Publications for Further Reference".

1.

ELECTRICITY PRODUCTION

MILLION KWH



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 1497 | 1463 | 1648 | 1595 | 1777 | 1824 | 1994 | 1835 | 1780 | 1699 | 1633 | 1645 |
| 1959 | 1596 | 1577 | 1709 | 1755 | 1936 | 2052 | 2105 | 2016 | 1914 | 1925 | 1824 | 1765 |
| 1960 | 1721 | 1752 | 1914 | 1857 | 2159 | 2195 | 2287 | 2276 | 2096 | 2055 | 2004 | 1924 |
| 1961 | 1851 | 1839 | 2019 | 1937 | 2270 | 2251 | 2382 | 2364 | 2129 | 2110 | 2072 | 1980 |
| 1962 | 1995 | 1932 | 2171 | 2162 | 2489 | 2424 | 2641 | 2630 | 2324 | 2421 | 2284 | 2185 |
| 1963 | 2184 | 2144 | 2379 | 2382 | 2717 | 2774 | 3051 | 2891 | 2613 | 2600 | 2493 | 2410 |
| 1964 | 2390 | 2463 | 2616 | 2734 | 2970 | 3125 | 3342 | 3207 | 2964 | 2919 | 2764 | 2732 |
| 1965 | 2622 | 2598 | 2950 | 2895 | 3200 | 3408 | 3661 | 3453 | 3135 | 3090 | 3035 | 2905 |
| 1966 | 2777 | 2730 | 3114 | 3025 | 3476 | 3649 | 3911 | 3836 | 3440 | 3374 | 3263 | 3148 |
| 1967 | 3065 | 3053 | 3288 | 3292 | 3776 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 1648 | 1657 | 1700 | 1685 | 1663 | 1710 | 1735 | 1694 | 1741 | 1673 | 1718 | 1764 |
| 1959 | 1772 | 1791 | 1796 | 1819 | 1831 | 1887 | 1826 | 1852 | 1876 | 1909 | 1910 | 1900 |
| 1960 | 1925 | 1934 | 1951 | 1976 | 2021 | 2020 | 2018 | 2036 | 2060 | 2067 | 2073 | 2086 |
| 1961 | 2078 | 2098 | 2086 | 2072 | 2090 | 2065 | 2092 | 2111 | 2104 | 2113 | 2154 | 2182 |
| 1962 | 2212 | 2208 | 2237 | 2315 | 2303 | 2228 | 2295 | 2338 | 2337 | 2391 | 2380 | 2409 |
| 1963 | 2437 | 2454 | 2490 | 2505 | 2519 | 2584 | 2598 | 2577 | 2606 | 2578 | 2618 | 2645 |
| 1964 | 2675 | 2734 | 2778 | 2823 | 2818 | 2830 | 2843 | 2891 | 2913 | 2915 | 2930 | 2967 |
| 1965 | 2974 | 3007 | 3023 | 3054 | 3034 | 3085 | 3127 | 3089 | 3086 | 3130 | 3167 | 3158 |
| 1966 | 3179 | 3127 | 3206 | 3210 | 3275 | 3306 | 3385 | 3375 | 3386 | 3413 | 3411 | 3446 |
| 1967 | 3487 | 3496 | 3460 | 3478 | 3500 | | | | | | | |

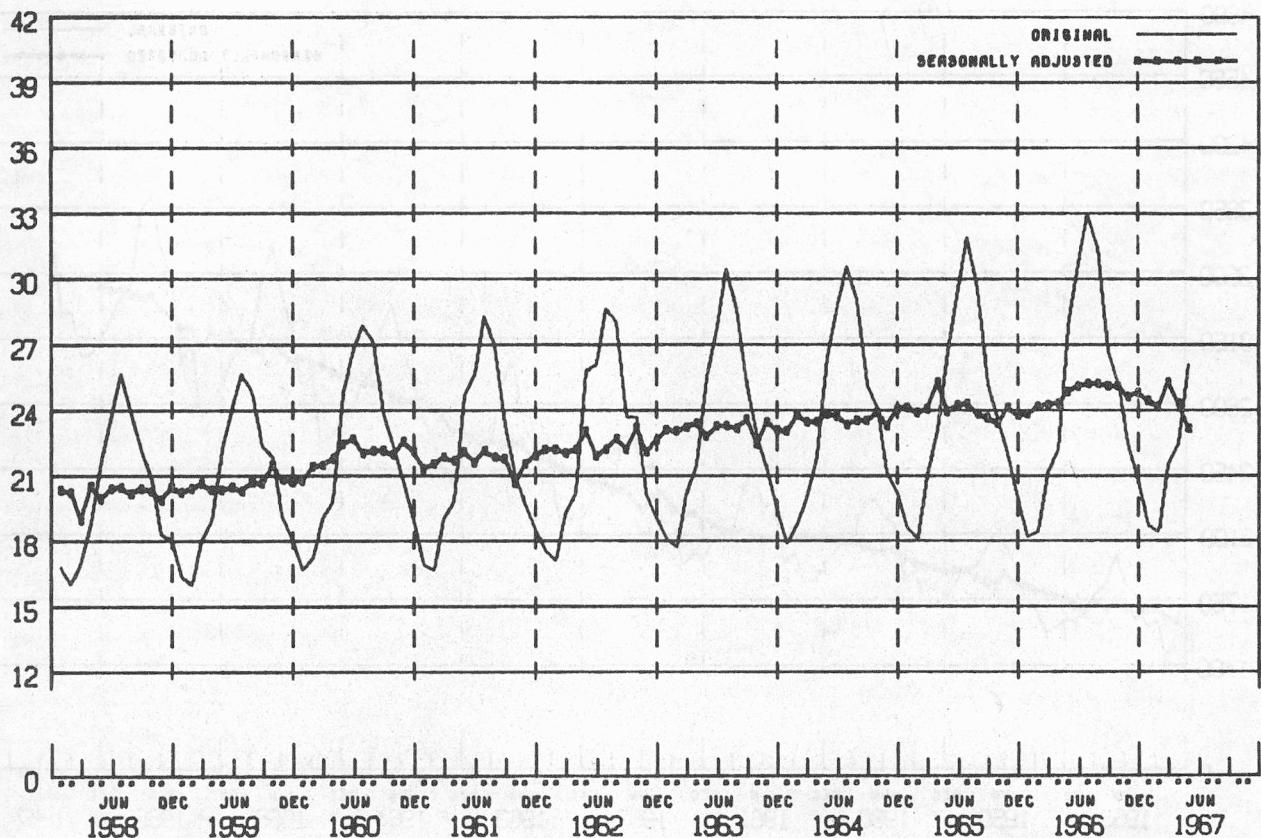
NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

PRODUCTION

2,

GAS PRODUCTION

MILLION THERMS



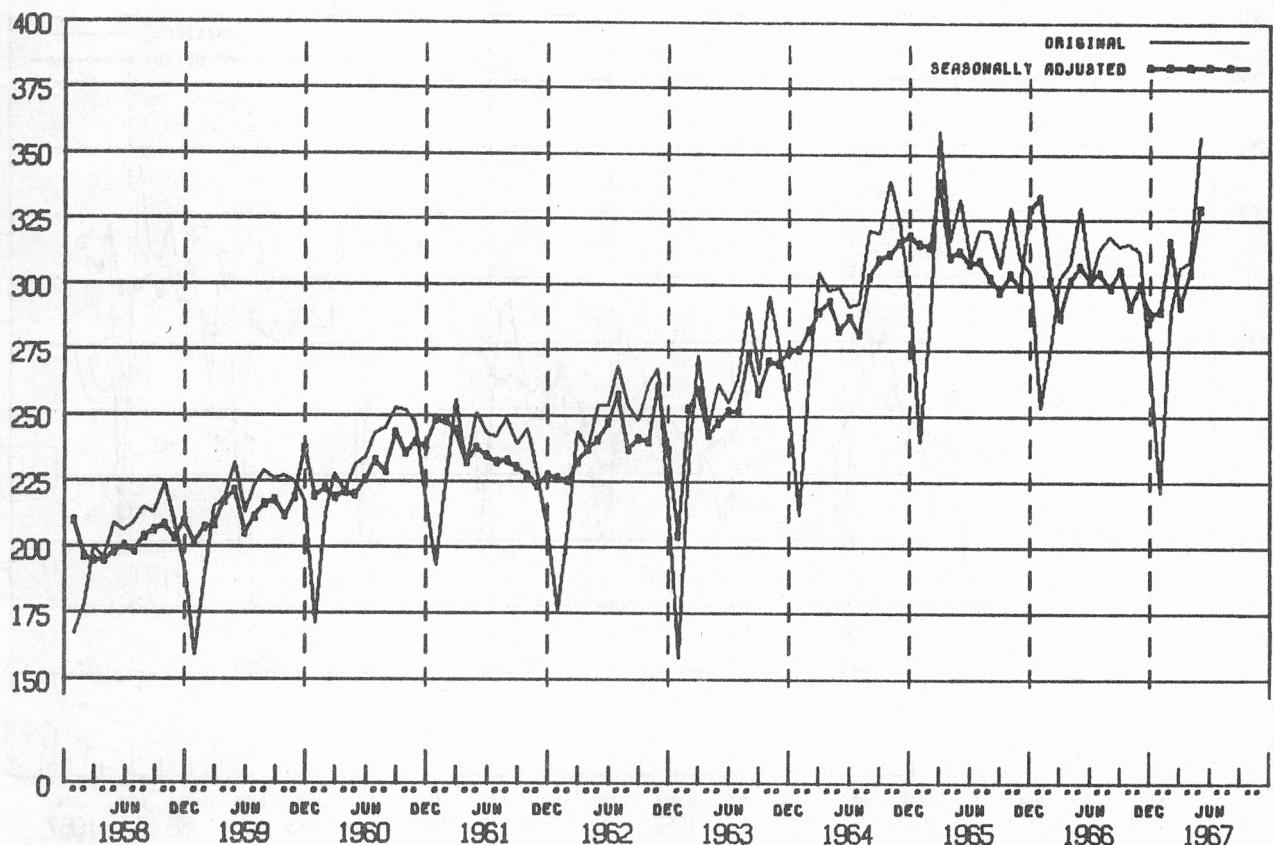
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 16.8 | 16.0 | 16.9 | 18.8 | 21.7 | 23.8 | 25.7 | 23.9 | 22.2 | 20.8 | 18.3 | 18.1 |
| 1959 | 16.4 | 16.0 | 18.0 | 18.9 | 22.2 | 24.2 | 25.7 | 24.9 | 22.4 | 21.9 | 19.2 | 18.1 |
| 1960 | 16.7 | 17.2 | 19.0 | 19.8 | 24.8 | 26.8 | 27.9 | 27.2 | 23.9 | 22.3 | 20.8 | 19.0 |
| 1961 | 16.9 | 16.7 | 19.0 | 19.8 | 24.7 | 25.6 | 28.3 | 27.0 | 23.4 | 21.0 | 19.8 | 18.6 |
| 1962 | 17.6 | 17.1 | 19.2 | 20.2 | 25.8 | 26.1 | 28.7 | 28.1 | 23.7 | 23.7 | 20.2 | 19.1 |
| 1963 | 18.1 | 17.7 | 20.1 | 21.5 | 25.5 | 27.8 | 30.5 | 28.7 | 25.2 | 22.8 | 21.4 | 19.5 |
| 1964 | 17.9 | 18.8 | 20.0 | 21.9 | 26.4 | 28.8 | 30.6 | 29.1 | 25.2 | 24.1 | 21.2 | 20.3 |
| 1965 | 18.6 | 18.1 | 21.0 | 23.1 | 26.7 | 29.6 | 31.9 | 29.6 | 25.2 | 23.5 | 22.1 | 20.0 |
| 1966 | 18.2 | 18.4 | 21.1 | 22.2 | 27.8 | 30.7 | 33.0 | 31.5 | 26.7 | 25.2 | 22.5 | 20.8 |
| 1967 | 18.7 | 18.4 | 21.5 | 22.5 | 26.1 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 20.4 | 20.3 | 19.0 | 20.6 | 20.0 | 20.5 | 20.5 | 20.2 | 20.4 | 20.4 | 19.9 | 20.5 |
| 1959 | 20.3 | 20.4 | 20.7 | 20.4 | 20.4 | 20.5 | 20.4 | 20.7 | 20.7 | 21.5 | 20.9 | 20.8 |
| 1960 | 20.8 | 21.5 | 21.5 | 21.9 | 22.5 | 22.7 | 22.1 | 22.2 | 22.2 | 22.0 | 22.6 | 22.1 |
| 1961 | 21.3 | 21.6 | 21.9 | 21.7 | 22.1 | 21.6 | 22.2 | 21.9 | 21.8 | 20.7 | 21.6 | 22.0 |
| 1962 | 22.3 | 22.2 | 22.1 | 22.2 | 23.1 | 22.0 | 22.2 | 22.7 | 22.3 | 23.3 | 22.1 | 22.7 |
| 1963 | 23.2 | 23.1 | 23.3 | 23.5 | 22.9 | 23.4 | 23.3 | 23.2 | 23.7 | 22.5 | 23.5 | 23.2 |
| 1964 | 23.1 | 23.8 | 23.5 | 23.5 | 23.9 | 23.7 | 23.4 | 23.6 | 23.6 | 23.9 | 23.3 | 24.1 |
| 1965 | 24.2 | 23.9 | 24.1 | 25.3 | 24.0 | 24.3 | 24.4 | 23.9 | 23.7 | 23.5 | 24.2 | 23.8 |
| 1966 | 23.9 | 24.2 | 24.3 | 24.4 | 24.9 | 25.1 | 25.3 | 25.3 | 25.1 | 25.1 | 24.7 | 24.8 |
| 1967 | 24.5 | 24.2 | 25.3 | 24.4 | 23.2 | | | | | | | |

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

3.

CEMENT PRODUCTION

'000 TONS



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 167 | 178 | 200 | 196 | 209 | 206 | 209 | 215 | 213 | 224 | 210 | 193 |
| 1959 | 159 | 190 | 215 | 218 | 232 | 213 | 223 | 229 | 226 | 227 | 225 | 218 |
| 1960 | 171 | 212 | 228 | 221 | 231 | 234 | 243 | 245 | 253 | 252 | 247 | 218 |
| 1961 | 193 | 228 | 256 | 231 | 251 | 243 | 242 | 249 | 239 | 245 | 229 | 207 |
| 1962 | 176 | 207 | 244 | 237 | 254 | 254 | 269 | 254 | 248 | 262 | 268 | 216 |
| 1963 | 158 | 232 | 273 | 245 | 262 | 255 | 264 | 292 | 266 | 296 | 277 | 252 |
| 1964 | 212 | 268 | 305 | 298 | 299 | 292 | 293 | 321 | 320 | 340 | 325 | 295 |
| 1965 | 240 | 288 | 359 | 317 | 333 | 310 | 321 | 321 | 307 | 330 | 311 | 305 |
| 1966 | 253 | 276 | 303 | 308 | 330 | 302 | 314 | 319 | 315 | 316 | 313 | 267 |
| 1967 | 221 | 290 | 307 | 309 | 357 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 210 | 196 | 195 | 195 | 198 | 200 | 199 | 204 | 207 | 209 | 204 | 209 |
| 1959 | 202 | 208 | 208 | 217 | 222 | 206 | 212 | 217 | 218 | 212 | 219 | 237 |
| 1960 | 220 | 222 | 219 | 221 | 220 | 226 | 233 | 229 | 244 | 236 | 240 | 238 |
| 1961 | 248 | 248 | 245 | 233 | 238 | 235 | 232 | 233 | 230 | 228 | 224 | 228 |
| 1962 | 226 | 225 | 232 | 238 | 241 | 247 | 258 | 237 | 242 | 240 | 262 | 237 |
| 1963 | 204 | 253 | 260 | 243 | 248 | 252 | 252 | 274 | 259 | 271 | 270 | 275 |
| 1964 | 276 | 283 | 290 | 294 | 283 | 288 | 281 | 303 | 310 | 312 | 316 | 319 |
| 1965 | 316 | 315 | 340 | 311 | 313 | 308 | 310 | 303 | 298 | 305 | 299 | 329 |
| 1966 | 334 | 302 | 288 | 302 | 307 | 302 | 305 | 300 | 306 | 292 | 301 | 289 |
| 1967 | 291 | 317 | 292 | 305 | 329 | | | | | | | |

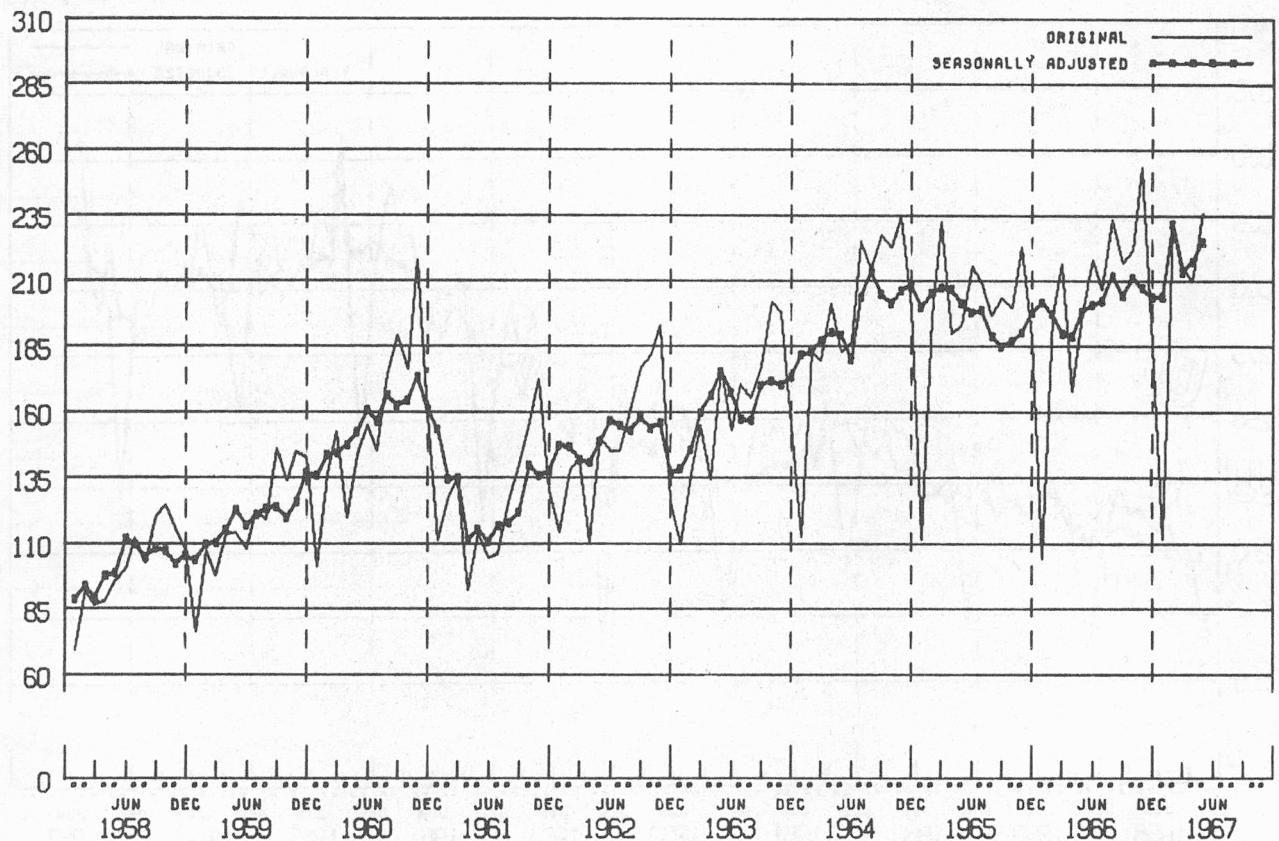
NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

PRODUCTION

4.

ELECTRIC MOTORS UNDER ONE H.P., PRODUCTION

1000



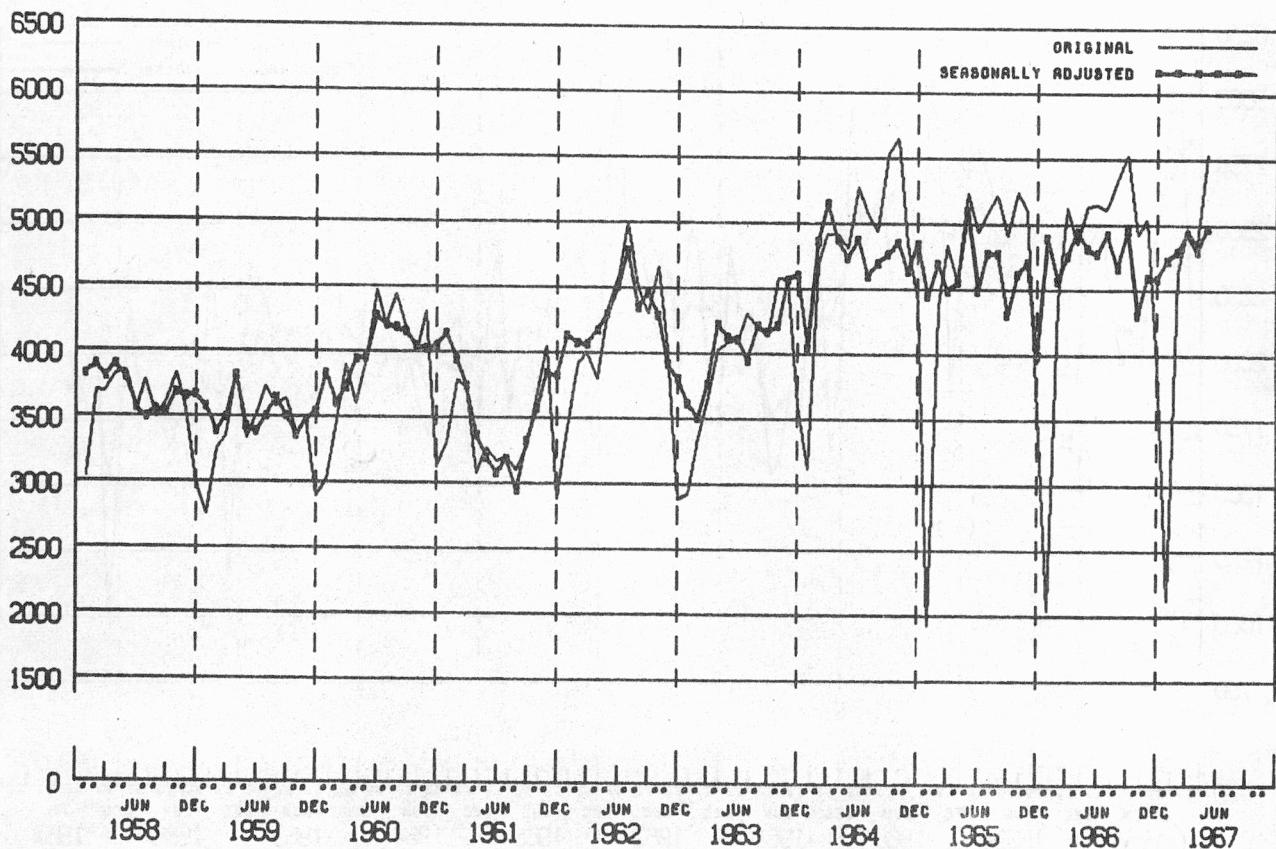
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 69.1 | 92.2 | 86.4 | 88.0 | 95.4 | 99.9 | 112.2 | 102.3 | 120.0 | 124.7 | 116.2 | 107.5 |
| 1959 | 75.9 | 107.3 | 97.5 | 113.5 | 113.9 | 108.0 | 122.5 | 119.2 | 146.1 | 133.5 | 144.8 | 143.2 |
| 1960 | 100.8 | 135.8 | 152.7 | 119.7 | 143.3 | 155.0 | 144.8 | 173.8 | 188.8 | 176.0 | 218.1 | 158.4 |
| 1961 | 110.8 | 127.6 | 133.9 | 91.8 | 113.9 | 104.5 | 106.0 | 125.5 | 139.5 | 156.0 | 172.3 | 130.0 |
| 1962 | 114.0 | 137.4 | 142.3 | 109.9 | 150.5 | 145.0 | 145.2 | 160.0 | 176.6 | 181.4 | 193.1 | 126.1 |
| 1963 | 109.5 | 135.8 | 154.9 | 133.8 | 176.3 | 152.7 | 170.7 | 164.8 | 176.9 | 202.1 | 197.9 | 154.8 |
| 1964 | 112.3 | 182.8 | 179.3 | 201.2 | 182.4 | 186.6 | 224.8 | 213.9 | 227.6 | 222.6 | 234.4 | 199.6 |
| 1965 | 111.6 | 195.8 | 232.6 | 189.3 | 193.1 | 215.7 | 209.4 | 196.4 | 203.4 | 199.4 | 223.2 | 188.1 |
| 1966 | 103.9 | 196.7 | 216.6 | 167.6 | 197.6 | 218.2 | 206.7 | 233.4 | 216.5 | 221.4 | 253.5 | 185.6 |
| 1967 | 111.3 | 231.9 | 216.1 | 209.5 | 236.0 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 89.1 | 93.9 | 89.6 | 97.9 | 99.2 | 112.1 | 109.8 | 104.8 | 108.6 | 107.5 | 102.6 | 105.5 |
| 1959 | 103.9 | 110.1 | 110.5 | 115.7 | 123.0 | 116.9 | 121.0 | 123.7 | 124.1 | 120.1 | 125.9 | 137.0 |
| 1960 | 136.1 | 143.8 | 144.7 | 147.7 | 152.4 | 160.8 | 156.3 | 166.4 | 162.3 | 164.3 | 173.5 | 160.8 |
| 1961 | 153.5 | 134.6 | 134.8 | 111.6 | 115.3 | 110.8 | 116.8 | 118.1 | 121.9 | 139.8 | 136.0 | 137.7 |
| 1962 | 147.6 | 147.2 | 142.0 | 141.1 | 149.2 | 156.9 | 154.9 | 152.8 | 157.9 | 153.8 | 156.2 | 136.7 |
| 1963 | 138.6 | 146.2 | 159.8 | 166.5 | 175.7 | 167.7 | 157.6 | 157.2 | 170.7 | 171.8 | 170.4 | 173.4 |
| 1964 | 181.9 | 182.8 | 187.5 | 190.7 | 189.4 | 179.8 | 204.1 | 213.6 | 204.9 | 201.4 | 206.4 | 208.4 |
| 1965 | 200.0 | 205.7 | 207.7 | 207.0 | 201.6 | 198.2 | 199.0 | 188.8 | 185.1 | 187.2 | 190.4 | 197.8 |
| 1966 | 202.2 | 197.6 | 189.8 | 189.0 | 198.7 | 201.0 | 202.4 | 212.0 | 204.3 | 211.5 | 207.7 | 204.2 |
| 1967 | 204.1 | 231.8 | 213.4 | 217.6 | 224.8 | | | | | | | |

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

5.

COTTON WOVEN CLOTH PRODUCTION
(EXCLUDING TOWELS AND TOWELLING)

'000 SQ. YDS.

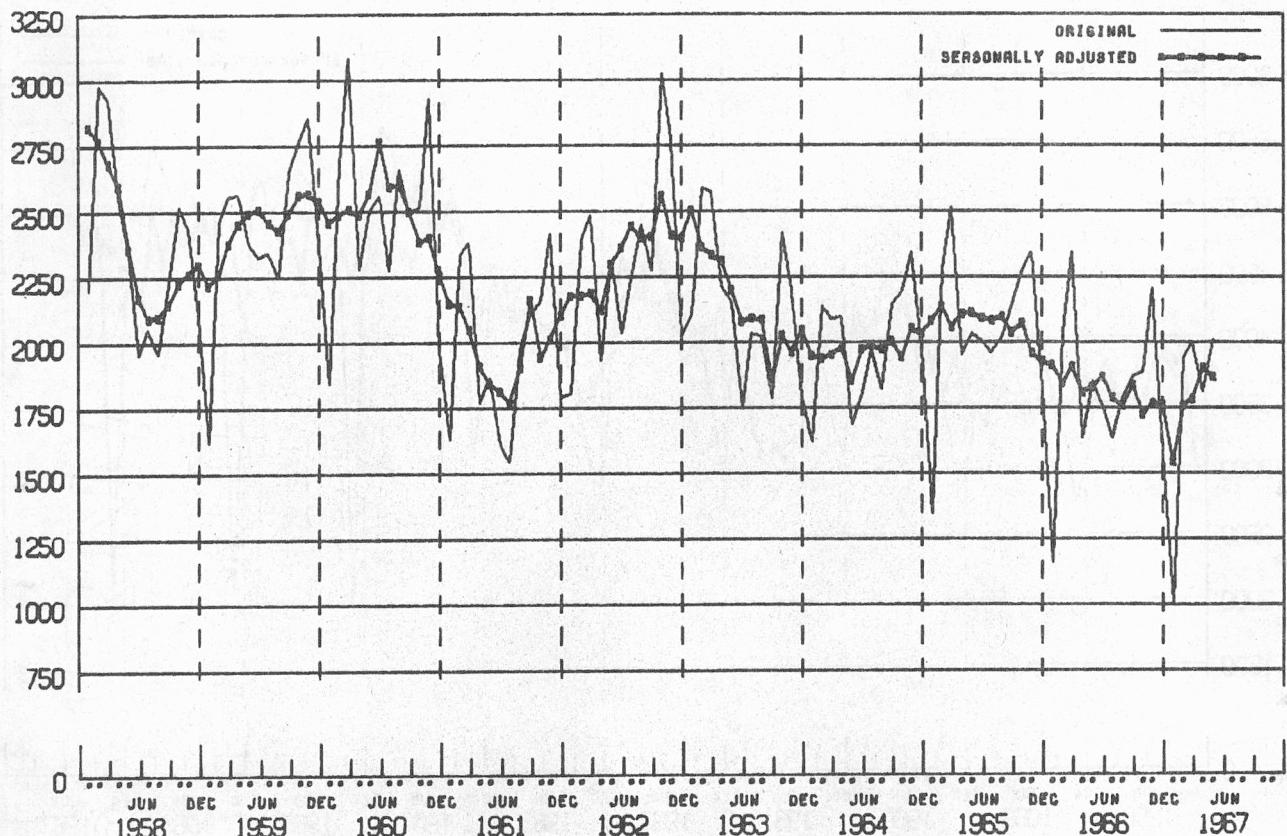


| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 3038 | 3704 | 3686 | 3823 | 3854 | 3552 | 3780 | 3492 | 3606 | 3826 | 3547 | 2989 |
| 1959 | 2747 | 3248 | 3342 | 3847 | 3327 | 3521 | 3725 | 3582 | 3643 | 3363 | 3483 | 2890 |
| 1960 | 3012 | 3460 | 3897 | 3605 | 3935 | 4465 | 4203 | 4444 | 4160 | 4004 | 4308 | 3121 |
| 1961 | 3296 | 3792 | 3738 | 3070 | 3268 | 3172 | 3200 | 3105 | 3279 | 3704 | 4045 | 2885 |
| 1962 | 3424 | 3919 | 4004 | 3797 | 4343 | 4578 | 5004 | 4505 | 4303 | 4659 | 4029 | 2884 |
| 1963 | 2917 | 3351 | 3620 | 4024 | 4089 | 4096 | 4308 | 4197 | 4138 | 4584 | 4569 | 3616 |
| 1964 | 3118 | 4686 | 4923 | 4916 | 4812 | 5278 | 5078 | 4942 | 5527 | 5654 | 4851 | 4411 |
| 1965 | 1920 | 4359 | 4835 | 4547 | 5243 | 4937 | 5084 | 5219 | 4913 | 5249 | 5099 | 3564 |
| 1966 | 2037 | 4405 | 5131 | 4851 | 5141 | 5152 | 5125 | 5326 | 5526 | 4924 | 5043 | 3927 |
| 1967 | 2119 | 4630 | 4968 | 4839 | 5539 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 3834 | 3899 | 3812 | 3900 | 3802 | 3569 | 3497 | 3558 | 3537 | 3690 | 3656 | 3665 |
| 1959 | 3584 | 3392 | 3502 | 3816 | 3429 | 3389 | 3508 | 3648 | 3514 | 3360 | 3475 | 3540 |
| 1960 | 3843 | 3605 | 3729 | 3954 | 3957 | 4284 | 4210 | 4190 | 4165 | 4049 | 4028 | 4047 |
| 1961 | 4152 | 3950 | 3746 | 3372 | 3200 | 3083 | 3186 | 2946 | 3329 | 3578 | 3849 | 3830 |
| 1962 | 4143 | 4085 | 4074 | 4177 | 4299 | 4512 | 4795 | 4347 | 4463 | 4291 | 3923 | 3811 |
| 1963 | 3623 | 3508 | 3773 | 4225 | 4125 | 4109 | 3947 | 4218 | 4171 | 4220 | 4569 | 4613 |
| 1964 | 4054 | 4866 | 5158 | 4880 | 4737 | 4883 | 4595 | 4697 | 4769 | 4859 | 4644 | 4852 |
| 1965 | 4447 | 4703 | 4491 | 4563 | 5113 | 4492 | 4779 | 4776 | 4306 | 4624 | 4715 | 3999 |
| 1966 | 4897 | 4569 | 4762 | 4952 | 4819 | 4780 | 4930 | 4668 | 4962 | 4311 | 4595 | 4585 |
| 1967 | 4731 | 4804 | 4945 | 4798 | 4979 | | | | | | | |

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

WOOLLEN AND WORSTED WOVEN CLOTH PRODUCTION
(EXCLUDING BLANKETING)

'000 SQ. YDS.

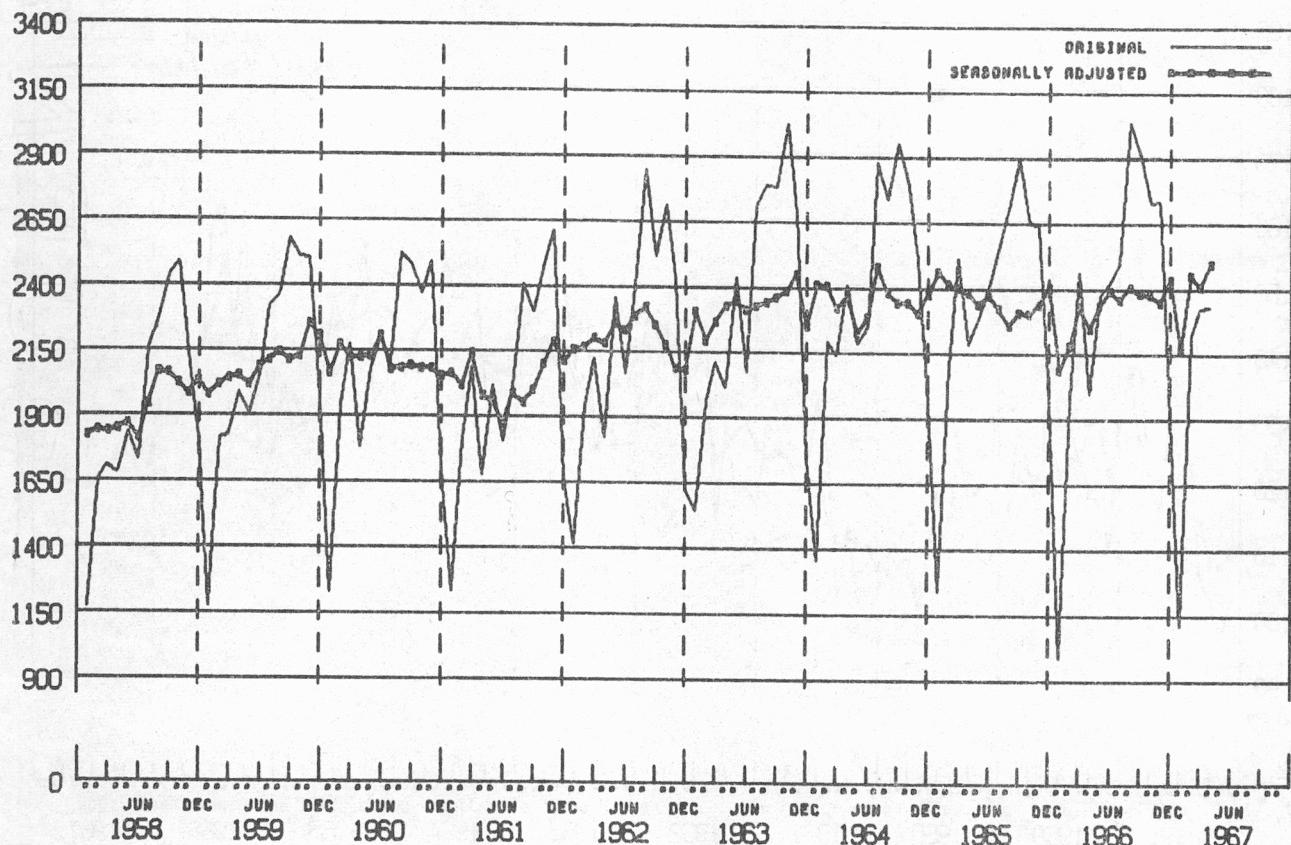


| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 2198 | 2982 | 2931 | 2562 | 2345 | 1956 | 2057 | 1960 | 2223 | 2521 | 2441 | 2109 |
| 1959 | 1618 | 2459 | 2553 | 2566 | 2378 | 2324 | 2343 | 2250 | 2649 | 2766 | 2857 | 2373 |
| 1960 | 1844 | 2681 | 3084 | 2278 | 2502 | 2562 | 2273 | 2662 | 2490 | 2515 | 2932 | 1975 |
| 1961 | 1630 | 2337 | 2378 | 1770 | 1867 | 1608 | 1546 | 1974 | 2104 | 2160 | 2415 | 1789 |
| 1962 | 1803 | 2389 | 2486 | 1931 | 2313 | 2037 | 2239 | 2449 | 2275 | 3026 | 2773 | 2025 |
| 1963 | 2106 | 2589 | 2576 | 2216 | 2155 | 1745 | 2036 | 2026 | 1784 | 2419 | 2202 | 1795 |
| 1964 | 1619 | 2140 | 2090 | 2094 | 1683 | 1806 | 1973 | 1818 | 2145 | 2196 | 2346 | 1978 |
| 1965 | 1343 | 2275 | 2516 | 1949 | 2034 | 2003 | 1959 | 2015 | 2143 | 2279 | 2346 | 1827 |
| 1966 | 1159 | 2035 | 2345 | 1636 | 1848 | 1755 | 1635 | 1787 | 1869 | 1883 | 2204 | 1582 |
| 1967 | 1001 | 1938 | 1999 | 1812 | 2009 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 2826 | 2768 | 2685 | 2601 | 2359 | 2176 | 2094 | 2100 | 2148 | 2230 | 2267 | 2302 |
| 1959 | 2221 | 2267 | 2380 | 2455 | 2497 | 2510 | 2459 | 2432 | 2495 | 2563 | 2569 | 2541 |
| 1960 | 2460 | 2488 | 2512 | 2491 | 2572 | 2764 | 2595 | 2598 | 2498 | 2383 | 2400 | 2262 |
| 1961 | 2150 | 2140 | 2049 | 1909 | 1844 | 1815 | 1768 | 1907 | 2167 | 1945 | 2016 | 2104 |
| 1962 | 2178 | 2182 | 2191 | 2124 | 2300 | 2367 | 2444 | 2401 | 2406 | 2560 | 2408 | 2401 |
| 1963 | 2504 | 2367 | 2337 | 2313 | 2200 | 2082 | 2095 | 2089 | 1851 | 2029 | 1963 | 2052 |
| 1964 | 1950 | 1941 | 1956 | 1979 | 1855 | 1974 | 1990 | 1975 | 2007 | 1944 | 2056 | 2036 |
| 1965 | 2086 | 2141 | 2058 | 2109 | 2113 | 2097 | 2085 | 2099 | 2041 | 2076 | 1958 | 1929 |
| 1966 | 1913 | 1845 | 1910 | 1808 | 1829 | 1871 | 1789 | 1758 | 1839 | 1725 | 1772 | 1764 |
| 1967 | 1546 | 1759 | 1785 | 1903 | 1872 | | | | | | | |

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

BOOTS AND SHOES PRODUCTION

1000 PAIRS



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 1170 | 1656 | 1710 | 1681 | 1837 | 1732 | 2156 | 2272 | 2437 | 2492 | 2139 | 1808 |
| 1959 | 1168 | 1815 | 1823 | 1992 | 1905 | 2056 | 2322 | 2360 | 2581 | 2508 | 2506 | 1968 |
| 1960 | 1223 | 1937 | 2175 | 1781 | 2080 | 2206 | 2100 | 2527 | 2483 | 2372 | 2496 | 1701 |
| 1961 | 1232 | 1811 | 2092 | 1676 | 2018 | 1805 | 2004 | 2411 | 2301 | 2491 | 2614 | 1671 |
| 1962 | 1416 | 1941 | 2123 | 1821 | 2359 | 2063 | 2398 | 2851 | 2515 | 2716 | 2436 | 1624 |
| 1963 | 1544 | 1961 | 2115 | 2017 | 2438 | 2073 | 2709 | 2793 | 2787 | 3032 | 2688 | 1746 |
| 1964 | 1356 | 2197 | 2138 | 2415 | 2186 | 2252 | 2879 | 2742 | 2953 | 2794 | 2512 | 1961 |
| 1965 | 1240 | 2100 | 2514 | 2186 | 2285 | 2410 | 2549 | 2705 | 2700 | 2651 | 2645 | 1974 |
| 1966 | 987 | 1978 | 2466 | 1994 | 2373 | 2423 | 2499 | 3038 | 2916 | 2728 | 2733 | 1904 |
| 1967 | 1108 | 2218 | 2327 | 2329 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 1826 | 1845 | 1840 | 1852 | 1868 | 1813 | 1946 | 2068 | 2066 | 2023 | 1985 | 2036 |
| 1959 | 1978 | 2020 | 2045 | 2055 | 2018 | 2091 | 2116 | 2143 | 2116 | 2129 | 2255 | 2212 |
| 1960 | 2063 | 2174 | 2123 | 2123 | 2132 | 2212 | 2081 | 2085 | 2097 | 2083 | 2085 | 2056 |
| 1961 | 2063 | 2019 | 2147 | 1980 | 1960 | 1876 | 1990 | 1954 | 2006 | 2103 | 2191 | 2116 |
| 1962 | 2162 | 2168 | 2205 | 2184 | 2260 | 2234 | 2292 | 2326 | 2255 | 2180 | 2091 | 2083 |
| 1963 | 2309 | 2196 | 2269 | 2330 | 2351 | 2314 | 2331 | 2345 | 2366 | 2389 | 2453 | 2256 |
| 1964 | 2415 | 2409 | 2326 | 2368 | 2232 | 2292 | 2487 | 2384 | 2343 | 2347 | 2303 | 2380 |
| 1965 | 2463 | 2421 | 2403 | 2384 | 2340 | 2375 | 2324 | 2258 | 2311 | 2306 | 2340 | 2412 |
| 1966 | 2088 | 2187 | 2336 | 2249 | 2340 | 2396 | 2359 | 2411 | 2387 | 2381 | 2349 | 2442 |
| 1967 | 2170 | 2453 | 2410 | 2498 | | | | | | | | |

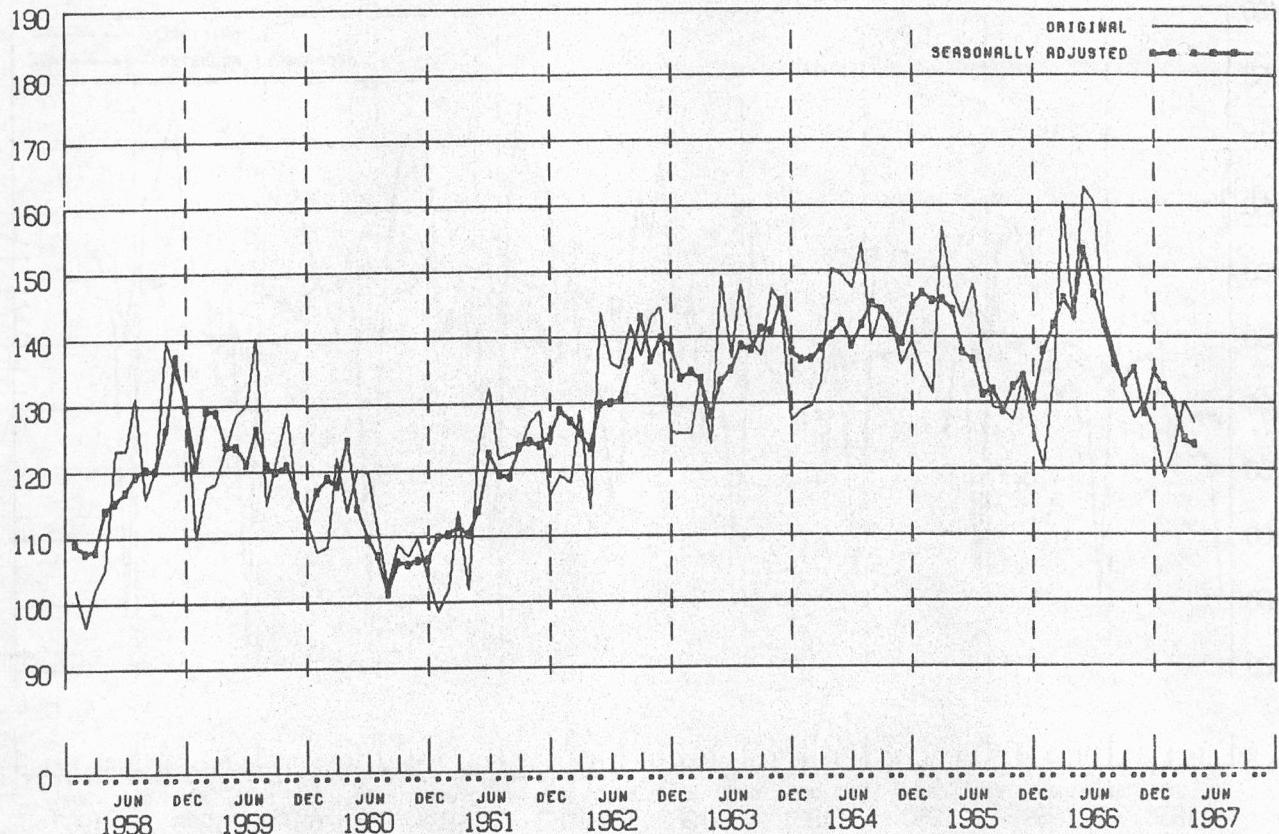
NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

PRODUCTION

8.

MEAT PRODUCTION

'000 TONS



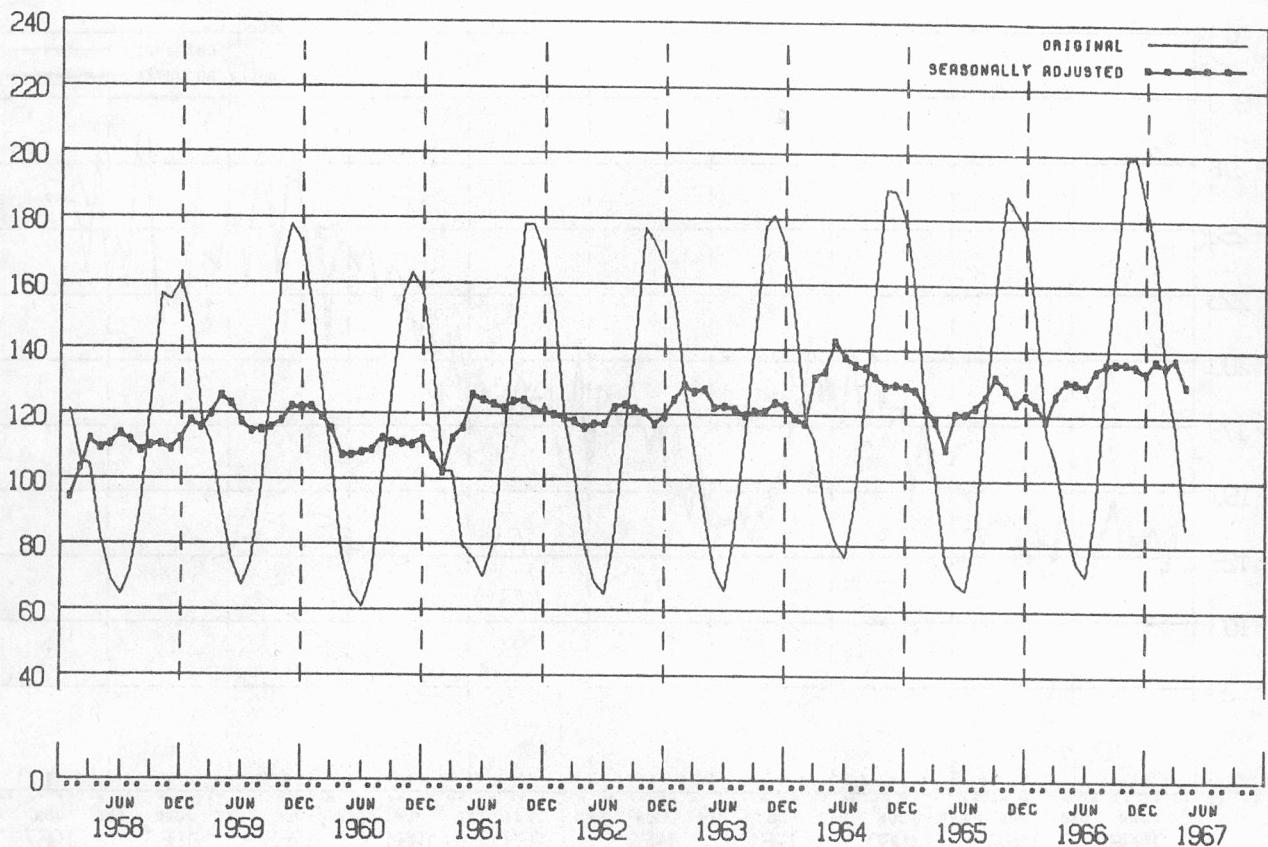
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 102.0 | 96.5 | 102.0 | 105.0 | 123.1 | 123.2 | 131.2 | 115.9 | 120.3 | 139.9 | 135.3 | 130.8 |
| 1959 | 109.9 | 117.4 | 118.2 | 123.4 | 128.5 | 130.0 | 140.3 | 114.9 | 121.7 | 128.9 | 115.9 | 112.8 |
| 1960 | 107.5 | 108.3 | 122.0 | 113.6 | 120.1 | 119.8 | 111.1 | 102.2 | 108.8 | 106.9 | 109.8 | 103.3 |
| 1961 | 98.4 | 101.9 | 113.7 | 101.8 | 124.2 | 132.4 | 121.6 | 122.3 | 122.8 | 127.2 | 128.8 | 115.9 |
| 1962 | 119.2 | 118.0 | 128.9 | 114.0 | 143.8 | 135.9 | 135.3 | 141.8 | 137.3 | 143.0 | 144.6 | 125.5 |
| 1963 | 125.3 | 125.3 | 134.1 | 123.7 | 149.2 | 136.7 | 148.0 | 139.4 | 137.1 | 147.4 | 144.9 | 127.1 |
| 1964 | 128.8 | 129.6 | 133.1 | 150.4 | 149.3 | 147.4 | 154.1 | 139.3 | 144.3 | 142.1 | 135.7 | 139.4 |
| 1965 | 134.5 | 131.3 | 156.7 | 146.8 | 142.9 | 148.0 | 137.5 | 129.3 | 128.9 | 127.4 | 133.6 | 125.7 |
| 1966 | 120.1 | 134.2 | 160.6 | 142.4 | 163.0 | 160.6 | 143.3 | 137.5 | 132.0 | 127.5 | 129.7 | 125.9 |
| 1967 | 118.5 | 123.1 | 130.2 | 126.9 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 109.3 | 107.8 | 108.0 | 114.3 | 115.4 | 117.1 | 119.4 | 120.3 | 120.2 | 126.4 | 137.4 | 129.7 |
| 1959 | 120.8 | 129.5 | 129.0 | 123.9 | 123.8 | 121.3 | 126.4 | 121.1 | 119.9 | 120.9 | 116.6 | 112.0 |
| 1960 | 116.9 | 118.9 | 117.8 | 124.6 | 114.4 | 109.7 | 107.2 | 101.5 | 106.2 | 105.8 | 106.5 | 106.6 |
| 1961 | 110.1 | 110.4 | 111.6 | 110.5 | 113.9 | 122.5 | 119.5 | 119.0 | 123.6 | 124.4 | 123.8 | 125.0 |
| 1962 | 128.9 | 127.3 | 125.7 | 123.4 | 130.0 | 130.2 | 130.6 | 136.3 | 143.2 | 136.6 | 140.0 | 138.6 |
| 1963 | 133.8 | 134.8 | 133.9 | 128.1 | 133.3 | 135.2 | 138.8 | 138.2 | 141.4 | 141.0 | 145.5 | 138.0 |
| 1964 | 136.7 | 136.8 | 138.3 | 140.3 | 142.5 | 138.9 | 142.0 | 145.1 | 144.3 | 141.3 | 139.1 | 144.9 |
| 1965 | 146.8 | 145.5 | 145.7 | 144.2 | 137.8 | 136.7 | 131.4 | 132.1 | 128.9 | 132.6 | 134.2 | 130.0 |
| 1966 | 138.0 | 142.0 | 146.0 | 143.4 | 153.4 | 146.7 | 142.1 | 135.9 | 133.1 | 135.2 | 128.6 | 134.9 |
| 1967 | 132.6 | 129.8 | 124.5 | 123.8 | | | | | | | | |

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

9.

WHOLE MILK PRODUCTION, ALL PURPOSES

MILLION GALLONS

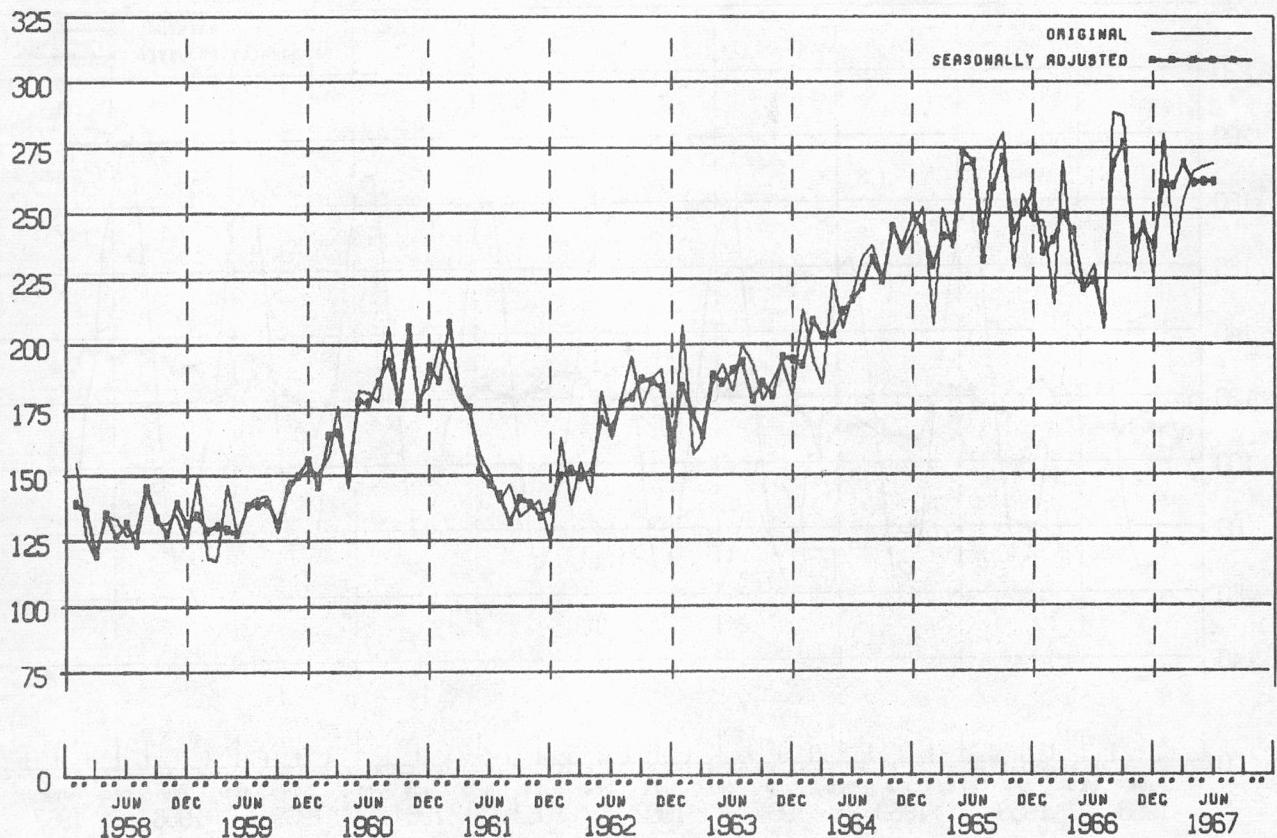


| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 120.5 | 105.2 | 104.3 | 81.9 | 69.3 | 64.4 | 71.7 | 91.7 | 124.6 | 156.6 | 154.6 | 160.4 |
| 1959 | 148.3 | 117.5 | 111.3 | 91.3 | 75.2 | 67.1 | 74.2 | 98.1 | 132.2 | 165.9 | 177.8 | 172.5 |
| 1960 | 151.8 | 125.2 | 105.9 | 77.0 | 65.3 | 60.7 | 69.6 | 100.5 | 128.8 | 155.7 | 163.1 | 157.7 |
| 1961 | 133.8 | 102.4 | 102.3 | 79.7 | 76.1 | 69.8 | 79.1 | 109.5 | 143.5 | 178.0 | 177.8 | 168.9 |
| 1962 | 151.0 | 118.1 | 103.6 | 80.5 | 68.8 | 64.9 | 80.6 | 113.6 | 139.8 | 177.1 | 172.9 | 165.5 |
| 1963 | 154.3 | 127.5 | 109.1 | 89.5 | 71.9 | 66.1 | 82.6 | 111.4 | 143.5 | 177.7 | 181.0 | 171.8 |
| 1964 | 148.2 | 117.8 | 112.4 | 91.7 | 81.6 | 76.5 | 92.1 | 125.2 | 159.1 | 189.2 | 188.8 | 180.0 |
| 1965 | 155.2 | 118.8 | 101.5 | 75.7 | 68.8 | 66.5 | 82.6 | 119.9 | 158.6 | 187.7 | 182.9 | 177.1 |
| 1966 | 149.3 | 114.4 | 106.3 | 88.6 | 75.3 | 70.6 | 89.6 | 131.8 | 165.8 | 199.1 | 199.2 | 184.9 |
| 1967 | 168.2 | 130.2 | 116.3 | 85.5 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 94.9 | 103.6 | 112.2 | 109.8 | 110.6 | 113.9 | 112.2 | 108.8 | 110.3 | 110.9 | 109.2 | 112.6 |
| 1959 | 118.2 | 116.2 | 120.0 | 125.6 | 123.3 | 117.7 | 114.6 | 115.3 | 116.2 | 118.2 | 122.6 | 122.0 |
| 1960 | 122.2 | 119.1 | 115.6 | 107.7 | 107.7 | 108.5 | 109.3 | 113.0 | 111.6 | 111.2 | 110.8 | 112.2 |
| 1961 | 107.2 | 102.3 | 112.6 | 115.9 | 126.1 | 124.6 | 123.2 | 121.9 | 123.8 | 124.2 | 121.5 | 121.3 |
| 1962 | 120.0 | 118.7 | 117.8 | 116.0 | 117.0 | 117.4 | 122.3 | 123.0 | 122.0 | 120.7 | 117.1 | 119.7 |
| 1963 | 124.9 | 129.3 | 127.3 | 128.1 | 122.5 | 122.9 | 122.1 | 120.1 | 121.3 | 121.4 | 123.9 | 123.2 |
| 1964 | 119.4 | 117.8 | 131.6 | 133.6 | 142.7 | 137.9 | 135.6 | 134.7 | 132.1 | 129.0 | 129.8 | 129.1 |
| 1965 | 128.1 | 122.5 | 118.3 | 110.1 | 121.0 | 121.0 | 122.9 | 125.9 | 131.9 | 128.4 | 123.9 | 126.2 |
| 1966 | 123.7 | 118.7 | 126.3 | 130.7 | 130.4 | 129.3 | 134.2 | 135.9 | 136.4 | 136.2 | 135.6 | 133.6 |
| 1967 | 137.3 | 135.6 | 137.7 | 129.6 | | | | | | | | |

NOTE = ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

IMPORTS

\$ MILLION



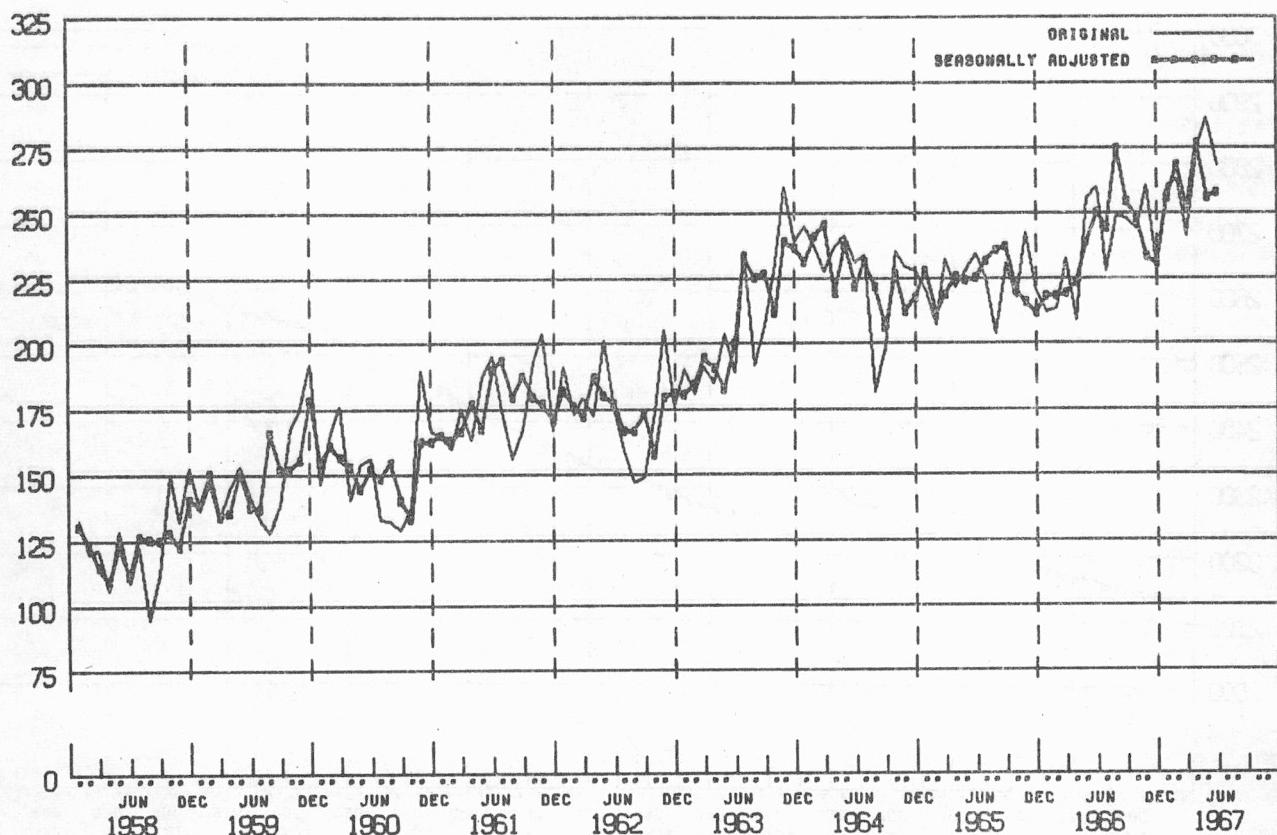
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 154.6 | 125.4 | 119.0 | 134.6 | 133.5 | 126.9 | 128.5 | 145.9 | 131.4 | 131.3 | 135.0 | 124.7 |
| 1959 | 148.8 | 117.9 | 117.7 | 146.4 | 126.4 | 139.1 | 141.7 | 141.9 | 127.8 | 148.1 | 149.6 | 151.9 |
| 1960 | 151.0 | 157.1 | 176.6 | 145.2 | 182.5 | 181.7 | 177.9 | 206.9 | 176.2 | 200.4 | 179.5 | 183.3 |
| 1961 | 199.8 | 190.1 | 179.3 | 173.9 | 157.8 | 149.9 | 139.7 | 146.5 | 134.2 | 137.7 | 140.6 | 123.8 |
| 1962 | 164.3 | 138.7 | 155.2 | 142.9 | 182.2 | 163.7 | 178.6 | 195.4 | 175.4 | 187.1 | 190.7 | 149.6 |
| 1963 | 207.5 | 157.4 | 162.4 | 184.6 | 192.4 | 181.8 | 199.9 | 193.0 | 178.6 | 186.4 | 193.7 | 180.2 |
| 1964 | 213.4 | 193.5 | 184.4 | 224.4 | 205.9 | 219.3 | 232.3 | 237.8 | 224.7 | 246.6 | 234.0 | 242.6 |
| 1965 | 252.6 | 207.2 | 252.2 | 236.6 | 268.4 | 269.7 | 242.2 | 272.2 | 280.9 | 228.7 | 257.5 | 246.9 |
| 1966 | 246.9 | 214.8 | 270.1 | 227.0 | 221.6 | 230.6 | 205.8 | 288.5 | 286.9 | 227.7 | 249.1 | 226.2 |
| 1967 | 280.3 | 233.1 | 254.6 | 266.1 | 267.8 | 269.0 | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 139.3 | 136.7 | 119.8 | 135.3 | 126.7 | 132.0 | 124.1 | 145.6 | 133.8 | 128.1 | 139.3 | 132.1 |
| 1959 | 134.8 | 129.0 | 131.2 | 129.4 | 127.9 | 138.5 | 139.1 | 139.3 | 132.1 | 145.1 | 150.1 | 156.0 |
| 1960 | 145.8 | 165.4 | 166.3 | 151.3 | 178.4 | 177.9 | 186.2 | 193.4 | 178.3 | 207.1 | 175.9 | 192.1 |
| 1961 | 185.3 | 208.6 | 182.2 | 176.1 | 152.0 | 147.0 | 143.2 | 132.4 | 141.7 | 139.5 | 134.6 | 138.2 |
| 1962 | 149.8 | 152.6 | 149.3 | 151.4 | 171.3 | 168.2 | 177.7 | 180.1 | 187.2 | 186.0 | 183.4 | 164.9 |
| 1963 | 184.0 | 173.6 | 165.7 | 188.7 | 185.3 | 190.7 | 193.7 | 179.1 | 185.5 | 180.3 | 195.7 | 194.5 |
| 1964 | 192.7 | 209.3 | 203.7 | 203.9 | 213.1 | 217.3 | 221.8 | 232.8 | 224.3 | 245.0 | 237.5 | 249.0 |
| 1965 | 244.1 | 230.3 | 241.3 | 241.1 | 274.2 | 269.8 | 232.5 | 260.5 | 271.3 | 243.4 | 250.5 | 258.7 |
| 1966 | 235.3 | 240.0 | 250.2 | 243.3 | 221.6 | 224.5 | 210.4 | 269.5 | 276.9 | 240.1 | 244.4 | 238.2 |
| 1967 | 261.7 | 261.2 | 269.6 | 261.9 | 262.4 | 262.5 | | | | | | |

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

11.

EXPORTS

\$ MILLION

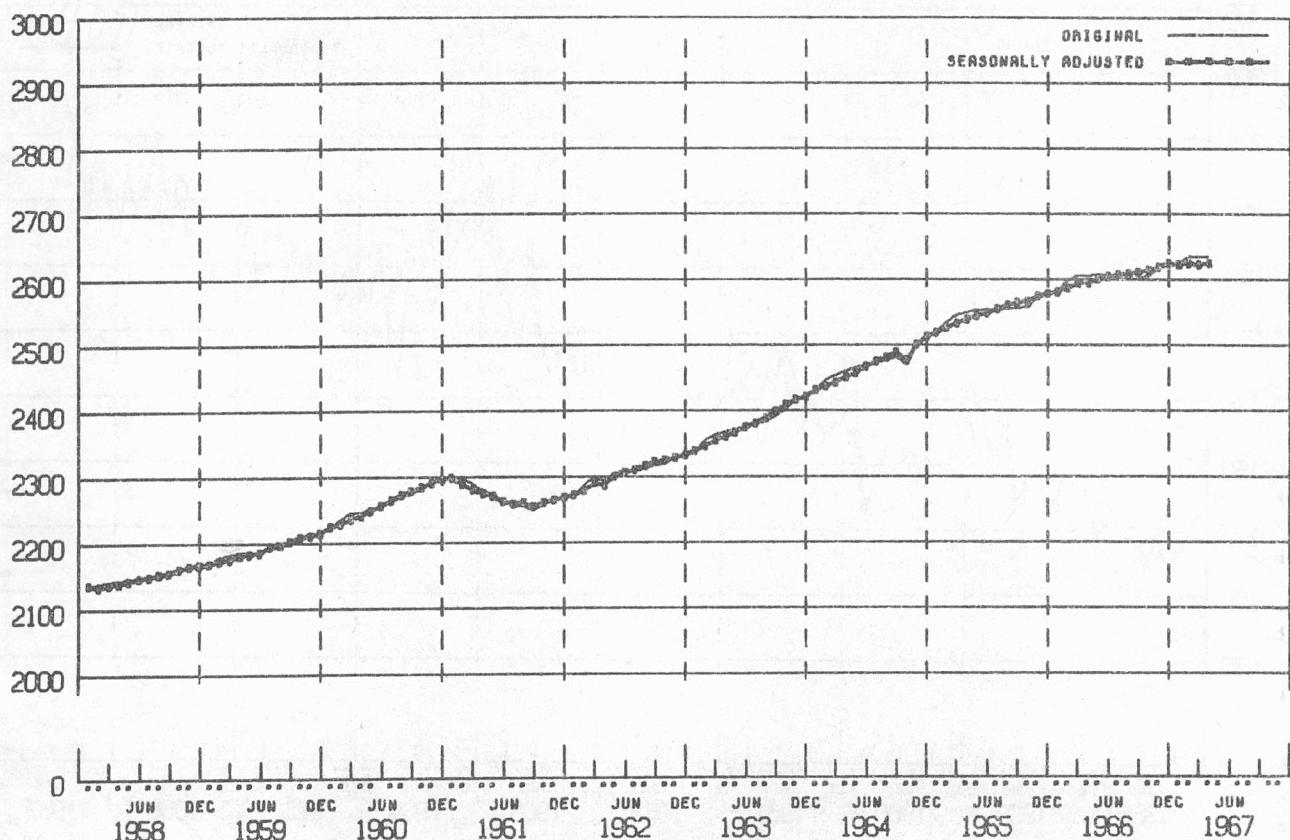


| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 133.2 | 119.9 | 122.2 | 106.0 | 129.0 | 109.2 | 123.1 | 95.1 | 112.5 | 150.2 | 132.7 | 152.8 |
| 1959 | 136.5 | 147.3 | 133.0 | 144.6 | 153.4 | 141.7 | 133.3 | 127.9 | 138.7 | 167.9 | 174.9 | 192.7 |
| 1960 | 146.5 | 165.9 | 176.3 | 140.5 | 154.1 | 156.7 | 133.0 | 132.6 | 129.1 | 138.2 | 190.1 | 167.2 |
| 1961 | 165.1 | 159.8 | 175.7 | 163.5 | 187.7 | 195.5 | 174.9 | 156.2 | 167.1 | 192.8 | 203.9 | 167.1 |
| 1962 | 191.5 | 172.9 | 179.4 | 172.6 | 201.7 | 174.4 | 159.5 | 147.0 | 149.0 | 174.1 | 205.5 | 176.1 |
| 1963 | 190.6 | 181.0 | 191.4 | 184.8 | 203.9 | 188.8 | 235.3 | 191.7 | 206.6 | 231.1 | 260.0 | 238.8 |
| 1964 | 245.1 | 236.3 | 227.7 | 237.2 | 241.5 | 231.0 | 234.1 | 181.5 | 198.6 | 235.4 | 229.6 | 228.0 |
| 1965 | 220.7 | 207.2 | 232.4 | 221.3 | 227.9 | 234.7 | 225.3 | 203.3 | 230.3 | 217.3 | 242.7 | 220.2 |
| 1966 | 211.8 | 213.7 | 232.3 | 208.7 | 255.4 | 260.0 | 227.3 | 248.9 | 248.1 | 243.9 | 260.4 | 228.5 |
| 1967 | 260.1 | 262.8 | 240.9 | 273.3 | 286.5 | 268.0 | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 131.2 | 124.1 | 115.3 | 110.0 | 122.6 | 112.0 | 127.1 | 126.2 | 125.6 | 128.6 | 123.0 | 141.2 |
| 1959 | 139.2 | 151.2 | 134.3 | 136.0 | 151.7 | 138.2 | 137.5 | 166.7 | 152.7 | 152.4 | 155.8 | 179.0 |
| 1960 | 155.0 | 161.5 | 157.2 | 153.4 | 145.0 | 152.7 | 149.0 | 155.0 | 140.4 | 133.3 | 163.2 | 163.0 |
| 1961 | 165.6 | 163.3 | 166.8 | 177.7 | 168.1 | 190.4 | 194.0 | 179.8 | 187.9 | 180.0 | 177.3 | 171.1 |
| 1962 | 182.3 | 176.6 | 172.5 | 187.6 | 180.7 | 177.4 | 167.2 | 166.9 | 173.7 | 158.0 | 179.8 | 181.3 |
| 1963 | 180.9 | 185.1 | 194.8 | 190.8 | 183.1 | 200.5 | 234.1 | 225.3 | 227.2 | 211.9 | 239.7 | 236.8 |
| 1964 | 231.7 | 241.7 | 245.8 | 219.7 | 238.1 | 222.2 | 231.5 | 222.2 | 206.4 | 227.0 | 212.7 | 218.2 |
| 1965 | 227.8 | 212.2 | 218.9 | 226.2 | 224.3 | 225.7 | 231.8 | 236.2 | 237.3 | 220.5 | 216.2 | 212.0 |
| 1966 | 218.3 | 218.7 | 219.6 | 223.4 | 239.0 | 250.4 | 244.3 | 275.0 | 254.3 | 247.8 | 233.7 | 230.9 |
| 1967 | 255.8 | 268.4 | 251.7 | 277.1 | 255.9 | 258.0 | | | | | | |

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

WAGE AND SALARY EARNERS IN CIVILIAN EMPLOYMENT (A) - MALES

1000



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 2133.4 | 2139.1 | 2142.9 | 2143.6 | 2145.2 | 2147.9 | 2148.9 | 2149.5 | 2153.2 | 2158.1 | 2168.5 | 2164.5 |
| 1959 | 2168.3 | 2179.8 | 2182.9 | 2186.5 | 2186.6 | 2185.6 | 2192.2 | 2193.4 | 2200.6 | 2205.4 | 2215.1 | 2213.4 |
| 1960 | 2224.7 | 2236.4 | 2245.8 | 2245.1 | 2251.3 | 2256.8 | 2261.1 | 2269.3 | 2275.5 | 2282.0 | 2293.6 | 2294.6 |
| 1961 | 2300.1 | 2298.3 | 2289.7 | 2280.8 | 2275.0 | 2264.3 | 2256.1 | 2255.1 | 2250.4B | 2258.0 | 2268.2 | 2267.4 |
| 1962 | 2272.2 | 2288.1 | 2299.5 | 2294.0 | 2305.7 | 2308.0 | 2308.2 | 2311.0 | 2317.6 | 2320.5 | 2330.8 | 2330.1 |
| 1963 | 2338.3 | 2355.7 | 2364.2 | 2367.8 | 2372.7 | 2376.2 | 2378.1 | 2383.2 | 2391.9 | 2402.7 | 2416.0 | 2418.9 |
| 1964 | 2431.2 | 2447.1 | 2454.5 | 2460.4 | 2465.0 | 2469.3 | 2472.5 | 2475.6 | 2481.7 | 2469.4B | 2498.7 | 2510.8 |
| 1965 | 2519.4 | 2536.8 | 2545.4 | 2549.2 | 2553.1 | 2553.1 | 2551.5 | 2555.3 | 2556.3 | 2557.5 | 2571.8 | 2576.1 |
| 1966 | 2581.4 | 2599.0 | 2606.8 | 2605.5 | 2608.9 | 2608.0 | 2604.0 | 2603.5 | 2602.4 | 2605.1 | 2617.2 | 2622.8 |
| 1967 | 2623.4 | 2635.7 | 2635.6 | 2635.7 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 2137.0 | 2134.7 | 2137.7 | 2139.9 | 2143.2 | 2147.2 | 2151.0 | 2153.6 | 2156.6 | 2161.9 | 2165.5 | 2167.9 |
| 1959 | 2170.6 | 2174.1 | 2176.8 | 2183.0 | 2184.8 | 2185.5 | 2195.3 | 2198.3 | 2204.7 | 2209.3 | 2212.3 | 2216.4 |
| 1960 | 2226.0 | 2229.6 | 2238.8 | 2241.4 | 2249.2 | 2257.1 | 2265.2 | 2275.0 | 2280.3 | 2286.2 | 2291.2 | 2297.8 |
| 1961 | 2301.0 | 2290.7 | 2282.0 | 2276.6 | 2272.2 | 2264.6 | 2260.6 | 2261.0 | 2255.9B | 2262.9 | 2265.7 | 2270.6 |
| 1962 | 2273.0 | 2280.0 | 2291.2 | 2288.9 | 2301.9 | 2307.8 | 2312.8 | 2317.1 | 2324.0 | 2326.7 | 2330.5 | 2333.7 |
| 1963 | 2339.3 | 2347.1 | 2355.0 | 2361.6 | 2367.7 | 2375.2 | 2382.4 | 2389.5 | 2399.4 | 2410.7 | 2417.1 | 2422.8 |
| 1964 | 2432.6 | 2438.0 | 2444.4 | 2452.8 | 2459.0 | 2467.5 | 2476.5 | 2482.1 | 2490.3 | 2479.0B | 2501.0 | 2514.9 |
| 1965 | 2520.9 | 2527.2 | 2534.4 | 2540.5 | 2546.4 | 2550.7 | 2555.2 | 2562.0 | 2565.9 | 2568.5 | 2575.1 | 2580.1 |
| 1966 | 2582.8 | 2589.0 | 2595.3 | 2596.0 | 2601.9 | 2605.4 | 2607.7 | 2610.2 | 2612.6 | 2616.9 | 2620.9 | 2626.6 |
| 1967 | 2624.8 | 2625.3 | 2623.8 | 2625.9 | | | | | | | | |

(A) SEE EXPLANATORY NOTES.

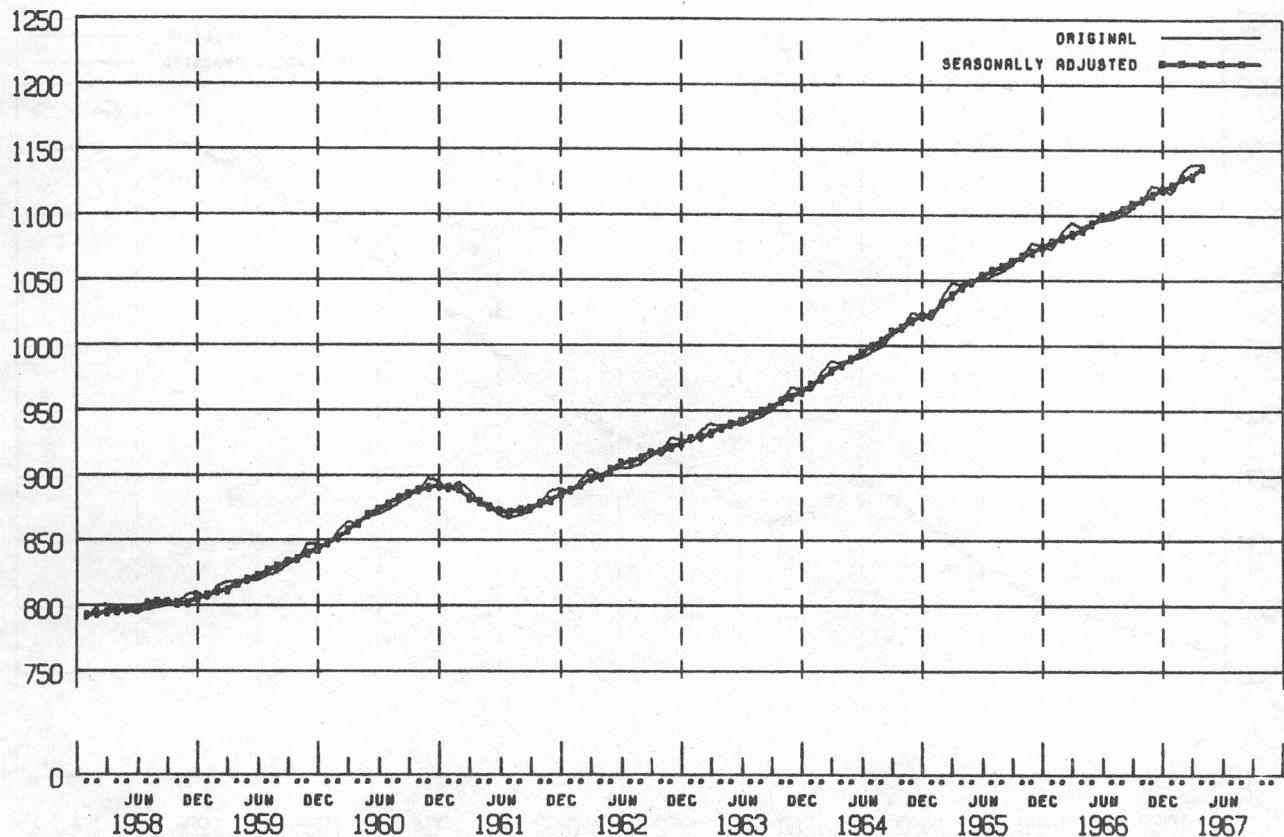
(B) AFFECTED BY MAJOR INDUSTRIAL DISPUTE OR TEMPORARY STAND-DOWN.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

13.

WAGE AND SALARY EARNERS IN CIVILIAN EMPLOYMENT (A) - FEMALES

'000



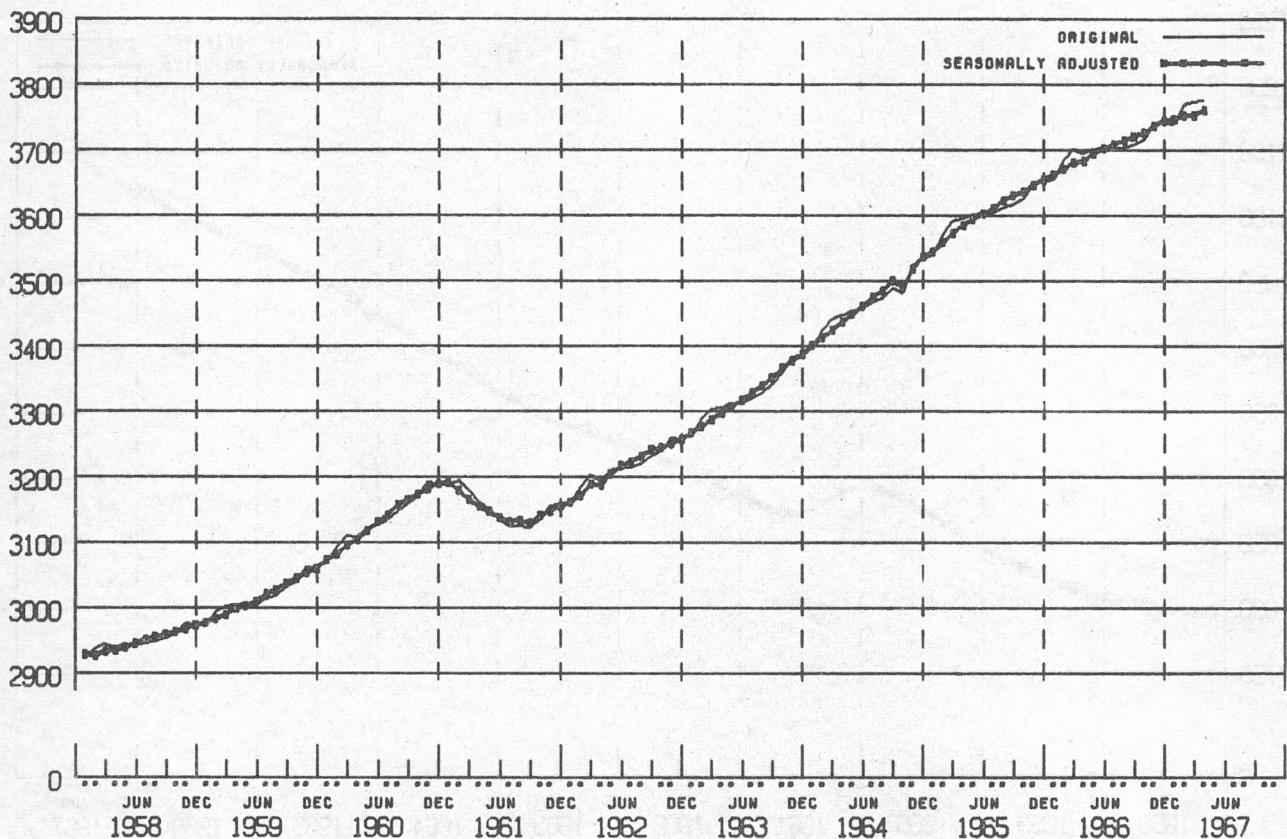
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 790.0 | 798.5 | 801.3 | 796.4 | 796.1 | 794.3 | 797.3 | 798.4 | 799.9 | 801.6 | 808.3 | 809.5 |
| 1959 | 805.2 | 815.0 | 818.3 | 817.9 | 818.5 | 819.1 | 822.7 | 824.8 | 831.3 | 835.3 | 846.8 | 847.1 |
| 1960 | 845.5 | 856.8 | 864.0 | 863.0 | 867.9 | 869.7 | 872.7 | 877.6 | 882.6 | 888.0 | 898.2 | 896.4 |
| 1961 | 888.7 | 894.8 | 889.5 | 880.5 | 874.6 | 868.9 | 867.0 | 868.5 | 871.7 | 878.5 | 888.0 | 889.6 |
| 1962 | 886.8 | 897.3 | 904.6 | 900.0 | 903.5 | 905.5 | 906.3 | 909.0 | 914.6 | 919.3 | 928.9 | 927.9 |
| 1963 | 926.0 | 934.7 | 939.9 | 938.5 | 939.0 | 938.6 | 942.3 | 945.4 | 949.7 | 957.7 | 967.5 | 967.3 |
| 1964 | 965.8 | 979.5 | 988.2 | 986.9 | 989.2 | 991.4 | 995.4 | 999.2 | 1007.9 | 1013.6 | 1025.2 | 1024.0 |
| 1965 | 1020.2 | 1037.5 | 1047.5 | 1047.0 | 1049.0 | 1051.0 | 1053.3 | 1056.5 | 1061.9 | 1068.5 | 1079.1 | 1076.8 |
| 1966 | 1074.0 | 1087.6 | 1094.7 | 1091.4 | 1093.6 | 1096.4 | 1097.1 | 1100.3 | 1105.0 | 1111.5 | 1122.8 | 1120.7 |
| 1967 | 1116.7 | 1133.5 | 1139.3 | 1139.4 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 792.9 | 794.3 | 795.2 | 795.8 | 797.4 | 798.2 | 801.7 | 802.8 | 802.8 | 802.4 | 802.5 | 805.7 |
| 1959 | 807.8 | 810.7 | 812.1 | 817.5 | 819.9 | 823.2 | 827.4 | 829.5 | 834.3 | 836.0 | 840.4 | 843.1 |
| 1960 | 847.8 | 852.2 | 857.6 | 862.5 | 869.5 | 874.2 | 877.8 | 882.7 | 885.7 | 888.6 | 891.3 | 892.4 |
| 1961 | 891.1 | 890.2 | 883.0 | 879.9 | 876.2 | 873.2 | 872.1 | 873.5 | 874.8 | 878.9 | 881.3 | 886.1 |
| 1962 | 889.5 | 892.9 | 897.9 | 899.1 | 904.9 | 909.7 | 911.4 | 914.1 | 917.8 | 919.5 | 922.2 | 925.0 |
| 1963 | 929.3 | 930.4 | 932.8 | 937.3 | 940.1 | 942.4 | 947.1 | 950.4 | 953.0 | 957.9 | 961.0 | 965.2 |
| 1964 | 970.0 | 975.3 | 980.7 | 985.2 | 990.0 | 994.9 | 999.9 | 1004.2 | 1011.3 | 1013.9 | 1018.7 | 1022.6 |
| 1965 | 1025.4 | 1033.2 | 1039.4 | 1045.0 | 1049.4 | 1054.3 | 1057.6 | 1061.5 | 1065.4 | 1068.9 | 1072.5 | 1075.9 |
| 1966 | 1079.9 | 1083.2 | 1086.2 | 1089.1 | 1093.8 | 1099.7 | 1101.3 | 1105.3 | 1108.6 | 1112.0 | 1116.0 | 1120.0 |
| 1967 | 1123.0 | 1128.9 | 1130.4 | 1136.9 | | | | | | | | |

(A) SEE EXPLANATORY NOTES.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

WAGE AND SALARY EARNERS IN CIVILIAN EMPLOYMENT (A) - PERSONS

'000



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 2923.4 | 2937.6 | 2944.2 | 2940.0 | 2941.3 | 2942.2 | 2946.2 | 2947.9 | 2953.1 | 2959.7 | 2976.8 | 2974.0 |
| 1959 | 2973.5 | 2994.8 | 3001.2 | 3004.4 | 3005.1 | 3004.7 | 3014.9 | 3018.2 | 3031.9 | 3040.7 | 3061.9 | 3060.5 |
| 1960 | 3070.2 | 3093.2 | 3109.8 | 3108.1 | 3119.2 | 3126.5 | 3133.8 | 3146.9 | 3158.1 | 3170.0 | 3191.8 | 3191.0 |
| 1961 | 3188.8 | 3193.1 | 3179.2 | 3161.3 | 3149.6 | 3133.2 | 3123.1 | 3123.6 | 3122.1B | 3136.5 | 3156.2 | 3157.0 |
| 1962 | 3159.0 | 3185.4 | 3204.1 | 3194.0 | 3209.2 | 3213.5 | 3214.5 | 3220.0 | 3232.2 | 3239.8 | 3259.7 | 3258.0 |
| 1963 | 3264.3 | 3290.4 | 3304.1 | 3306.3 | 3311.7 | 3314.8 | 3320.4 | 3328.6 | 3341.6 | 3360.4 | 3383.5 | 3386.2 |
| 1964 | 3397.0 | 3426.6 | 3442.7 | 3447.3 | 3454.2 | 3460.7 | 3467.9 | 3474.8 | 3489.6 | 3483.0B | 3523.9 | 3534.8 |
| 1965 | 3539.6 | 3574.3 | 3592.9 | 3596.2 | 3602.1 | 3604.1 | 3604.8 | 3611.8 | 3618.2 | 3626.0 | 3650.9 | 3652.9 |
| 1966 | 3655.4 | 3686.6 | 3701.5 | 3696.9 | 3702.5 | 3704.4 | 3701.1 | 3703.8 | 3707.4 | 3716.6 | 3740.0 | 3743.5 |
| 1967 | 3740.1 | 3769.2 | 3774.9 | 3775.1 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 2930.0 | 2928.6 | 2933.0 | 2935.5 | 2940.5 | 2945.7 | 2952.4 | 2956.3 | 2959.3 | 2964.4 | 2968.4 | 2973.9 |
| 1959 | 2978.4 | 2984.3 | 2989.1 | 3000.3 | 3004.5 | 3009.2 | 3022.5 | 3027.7 | 3038.9 | 3045.4 | 3053.2 | 3059.8 |
| 1960 | 3073.9 | 3081.3 | 3096.7 | 3103.8 | 3118.6 | 3131.7 | 3142.8 | 3157.6 | 3166.0 | 3174.8 | 3182.9 | 3190.4 |
| 1961 | 3192.0 | 3180.3 | 3165.3 | 3156.4 | 3148.3 | 3138.2 | 3132.6 | 3134.5 | 3130.7B | 3141.8 | 3148.2 | 3156.8 |
| 1962 | 3162.4 | 3172.5 | 3189.4 | 3187.9 | 3206.8 | 3217.8 | 3224.1 | 3231.2 | 3241.9 | 3246.1 | 3252.7 | 3258.7 |
| 1963 | 3268.7 | 3277.3 | 3288.0 | 3298.8 | 3307.9 | 3317.6 | 3329.5 | 3339.9 | 3352.4 | 3368.5 | 3378.0 | 3387.8 |
| 1964 | 3402.9 | 3413.1 | 3425.3 | 3438.0 | 3449.0 | 3462.2 | 3476.4 | 3486.3 | 3501.6 | 3492.7B | 3519.7 | 3537.4 |
| 1965 | 3546.7 | 3560.4 | 3574.0 | 3585.4 | 3595.9 | 3604.5 | 3612.8 | 3623.4 | 3631.3 | 3637.3 | 3647.7 | 3655.8 |
| 1966 | 3663.4 | 3672.1 | 3681.7 | 3685.0 | 3695.7 | 3704.4 | 3709.0 | 3715.5 | 3721.3 | 3728.9 | 3737.1 | 3746.3 |
| 1967 | 3748.6 | 3754.2 | 3754.5 | 3762.6 | | | | | | | | |

(A) SEE EXPLANATORY NOTES.

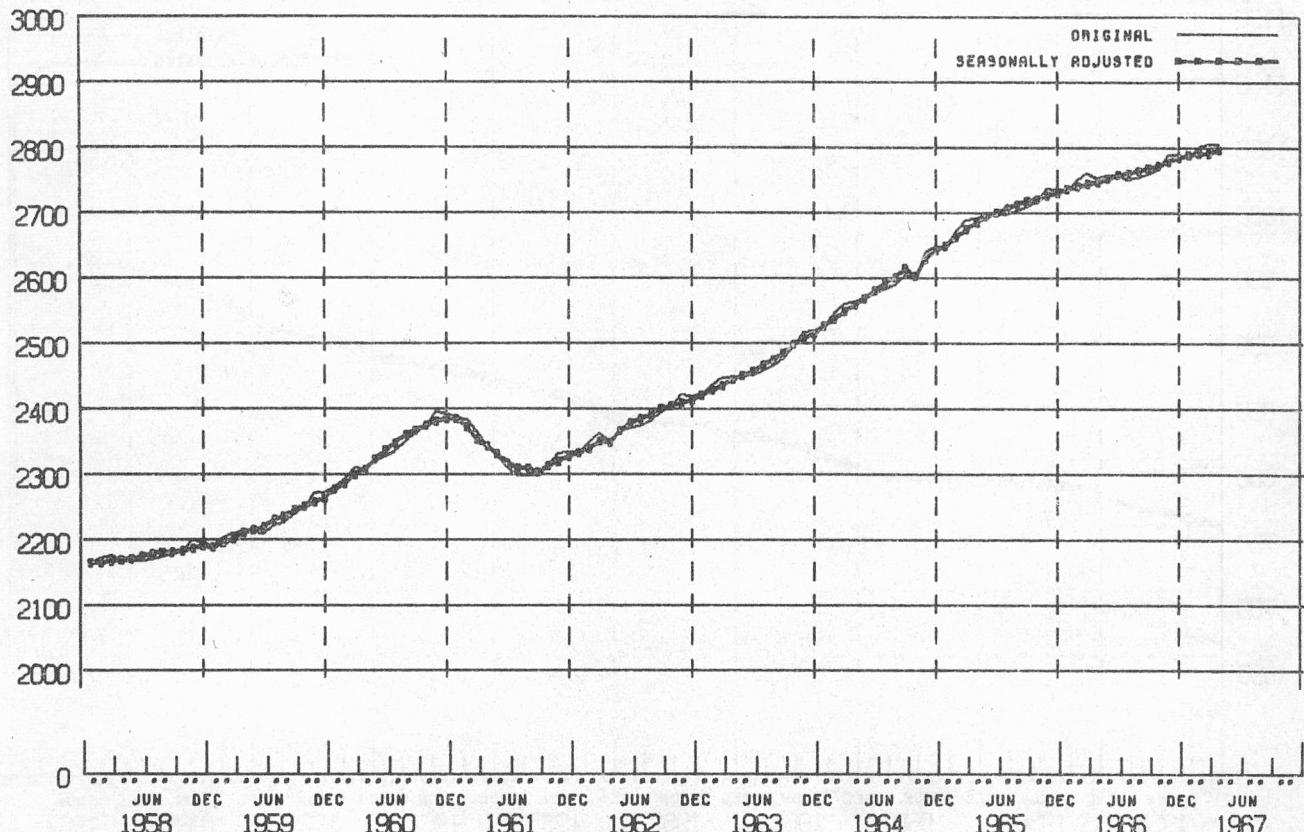
(B) AFFECTED BY MAJOR INDUSTRIAL DISPUTE OR TEMPORARY STAND-DOWN.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

15.

WAGE AND SALARY EARNERS IN CIVILIAN EMPLOYMENT (A) - PRIVATE PERSONS

'000



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 2164.3 | 2172.3 | 2176.5 | 2170.1 | 2168.3 | 2167.9 | 2170.8 | 2173.6 | 2178.0 | 2184.1 | 2200.0 | 2197.9 |
| 1959 | 2190.8 | 2204.6 | 2210.7 | 2211.9 | 2211.3 | 2210.9 | 2221.0 | 2225.4 | 2240.2 | 2250.6 | 2271.3 | 2271.6 |
| 1960 | 2279.5 | 2294.7 | 2309.8 | 2308.2 | 2319.8 | 2327.6 | 2335.9 | 2350.4 | 2363.0 | 2374.9 | 2395.3 | 2393.6 |
| 1961 | 2386.7 | 2383.7 | 2365.7 | 2344.4 | 2328.1 | 2309.1 | 2298.0 | 2298.2 | 2298.4B | 2313.2 | 2332.5 | 2334.8 |
| 1962 | 2333.7 | 2349.7 | 2363.9 | 2351.0 | 2365.9 | 2371.1 | 2373.1 | 2381.3 | 2395.3 | 2403.8 | 2422.3 | 2420.7 |
| 1963 | 2421.7 | 2438.6 | 2448.9 | 2447.6 | 2450.1 | 2452.3 | 2457.2 | 2465.8 | 2478.1 | 2497.1 | 2518.8 | 2520.9 |
| 1964 | 2525.8 | 2547.3 | 2562.0 | 2564.6 | 2570.9 | 2577.4 | 2584.0 | 2590.5 | 2606.3 | 2600.1B | 2639.1 | 2647.9 |
| 1965 | 2647.1 | 2673.1 | 2689.7 | 2692.2 | 2697.3 | 2697.9 | 2697.5 | 2703.4 | 2710.4 | 2717.8 | 2737.5 | 2735.7 |
| 1966 | 2733.1 | 2751.1 | 2761.0 | 2754.2 | 2757.1 | 2757.2 | 2752.5 | 2754.7 | 2759.3 | 2768.1 | 2789.9 | 2789.2 |
| 1967 | 2783.9 | 2801.8 | 2806.5 | 2806.2 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 2166.0 | 2165.1 | 2167.9 | 2169.1 | 2171.6 | 2176.2 | 2180.0 | 2183.0 | 2182.8 | 2184.6 | 2187.2 | 2191.0 |
| 1959 | 2190.9 | 2196.5 | 2201.4 | 2211.6 | 2215.2 | 2220.0 | 2231.4 | 2235.5 | 2245.4 | 2251.1 | 2258.0 | 2264.0 |
| 1960 | 2278.6 | 2285.6 | 2299.7 | 2308.1 | 2324.1 | 2337.5 | 2347.6 | 2361.5 | 2368.8 | 2375.3 | 2381.4 | 2385.8 |
| 1961 | 2385.3 | 2374.0 | 2354.8 | 2344.0 | 2331.9 | 2318.3 | 2309.9 | 2309.2 | 2304.5B | 2314.0 | 2319.6 | 2327.8 |
| 1962 | 2333.1 | 2340.1 | 2352.6 | 2349.7 | 2368.7 | 2379.3 | 2385.0 | 2392.6 | 2402.3 | 2405.2 | 2410.2 | 2414.7 |
| 1963 | 2422.3 | 2429.2 | 2436.7 | 2445.2 | 2451.4 | 2458.8 | 2468.6 | 2477.0 | 2485.9 | 2499.7 | 2507.8 | 2516.0 |
| 1964 | 2528.1 | 2538.0 | 2549.1 | 2560.4 | 2570.7 | 2582.5 | 2594.7 | 2601.7 | 2615.0 | 2604.0B | 2629.1 | 2644.2 |
| 1965 | 2650.8 | 2663.9 | 2675.9 | 2686.6 | 2695.8 | 2701.8 | 2707.6 | 2714.6 | 2719.9 | 2722.9 | 2729.2 | 2732.6 |
| 1966 | 2737.8 | 2741.7 | 2746.9 | 2747.5 | 2754.8 | 2760.5 | 2762.3 | 2765.8 | 2769.4 | 2773.9 | 2780.8 | 2786.1 |
| 1967 | 2789.1 | 2792.2 | 2792.0 | 2799.0 | | | | | | | | |

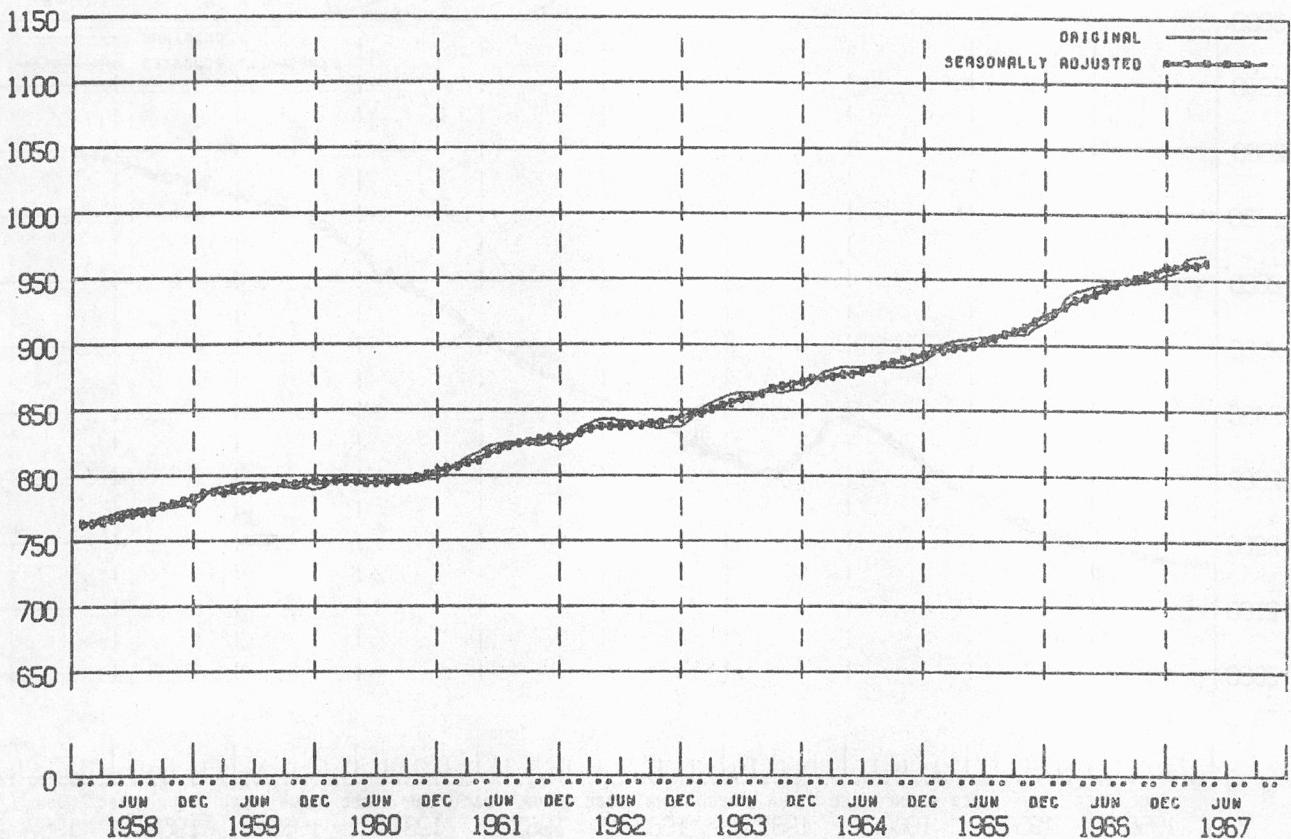
(A) SEE EXPLANATORY NOTES.

(B) AFFECTED BY MAJOR INDUSTRIAL DISPUTE OR TEMPORARY STAND-DOWN.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

WAGE AND SALARY EARNERS IN CIVILIAN EMPLOYMENT (A) - GOVERNMENT PERSONS

'000



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 759.1 | 765.3 | 767.7 | 769.9 | 773.0 | 774.3 | 775.4 | 774.3 | 775.1 | 775.6 | 776.8 | 776.1 |
| 1959 | 782.7 | 790.2 | 790.5 | 792.5 | 793.8 | 793.8 | 793.9 | 792.8 | 791.7 | 790.1 | 790.6 | 788.9 |
| 1960 | 790.7 | 798.5 | 800.0 | 799.9 | 799.4 | 798.9 | 797.9 | 796.5 | 795.1 | 795.1 | 796.5 | 797.4 |
| 1961 | 802.1 | 809.4 | 813.5 | 816.9 | 821.5 | 824.1 | 825.1 | 825.4 | 823.7 | 823.3 | 823.7 | 822.2 |
| 1962 | 825.3 | 835.7 | 840.2 | 843.0 | 843.3 | 842.4 | 841.4 | 838.7 | 836.9 | 836.0 | 837.4 | 837.3 |
| 1963 | 842.6 | 851.8 | 855.2 | 858.7 | 861.6 | 862.5 | 863.1 | 862.8 | 863.5 | 863.4 | 864.7 | 865.3 |
| 1964 | 871.2 | 879.3 | 880.7 | 882.7 | 883.3 | 883.3 | 883.9 | 884.3 | 883.3 | 882.9 | 884.8 | 886.9 |
| 1965 | 892.5 | 901.2 | 903.2 | 904.0 | 904.8 | 906.2 | 907.3 | 908.4 | 907.8 | 908.2 | 913.4 | 917.2 |
| 1966 | 922.3 | 935.5 | 940.5 | 942.7 | 945.4 | 947.2 | 948.6 | 949.1 | 948.1 | 948.5 | 950.1 | 954.3 |
| 1967 | 956.2 | 967.4 | 968.4 | 968.9 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 764.0 | 764.0 | 765.0 | 766.6 | 768.8 | 770.7 | 772.1 | 772.9 | 776.5 | 779.2 | 781.2 | 782.5 |
| 1959 | 787.4 | 788.4 | 787.3 | 788.9 | 789.3 | 790.0 | 790.9 | 791.9 | 793.6 | 794.1 | 795.2 | 795.5 |
| 1960 | 795.1 | 796.3 | 796.4 | 795.9 | 794.7 | 795.0 | 795.2 | 796.0 | 797.3 | 799.3 | 801.3 | 804.1 |
| 1961 | 806.3 | 806.9 | 809.6 | 812.5 | 816.5 | 820.1 | 822.5 | 825.2 | 826.3 | 828.0 | 828.9 | 829.0 |
| 1962 | 829.4 | 832.7 | 835.9 | 838.3 | 838.1 | 838.5 | 839.0 | 838.8 | 839.7 | 841.0 | 842.8 | 844.0 |
| 1963 | 846.6 | 848.3 | 850.5 | 853.8 | 856.4 | 858.7 | 860.9 | 863.0 | 866.6 | 868.8 | 870.3 | 871.9 |
| 1964 | 875.1 | 875.1 | 875.7 | 877.6 | 878.2 | 879.8 | 882.0 | 884.6 | 886.6 | 888.6 | 890.6 | 893.3 |
| 1965 | 896.3 | 896.4 | 897.8 | 898.8 | 899.8 | 902.9 | 905.6 | 908.8 | 911.3 | 914.1 | 919.3 | 923.5 |
| 1966 | 926.1 | 930.2 | 934.8 | 937.4 | 940.3 | 943.9 | 946.9 | 949.5 | 951.8 | 954.7 | 956.3 | 960.7 |
| 1967 | 960.1 | 961.7 | 962.5 | 963.6 | | | | | | | | |

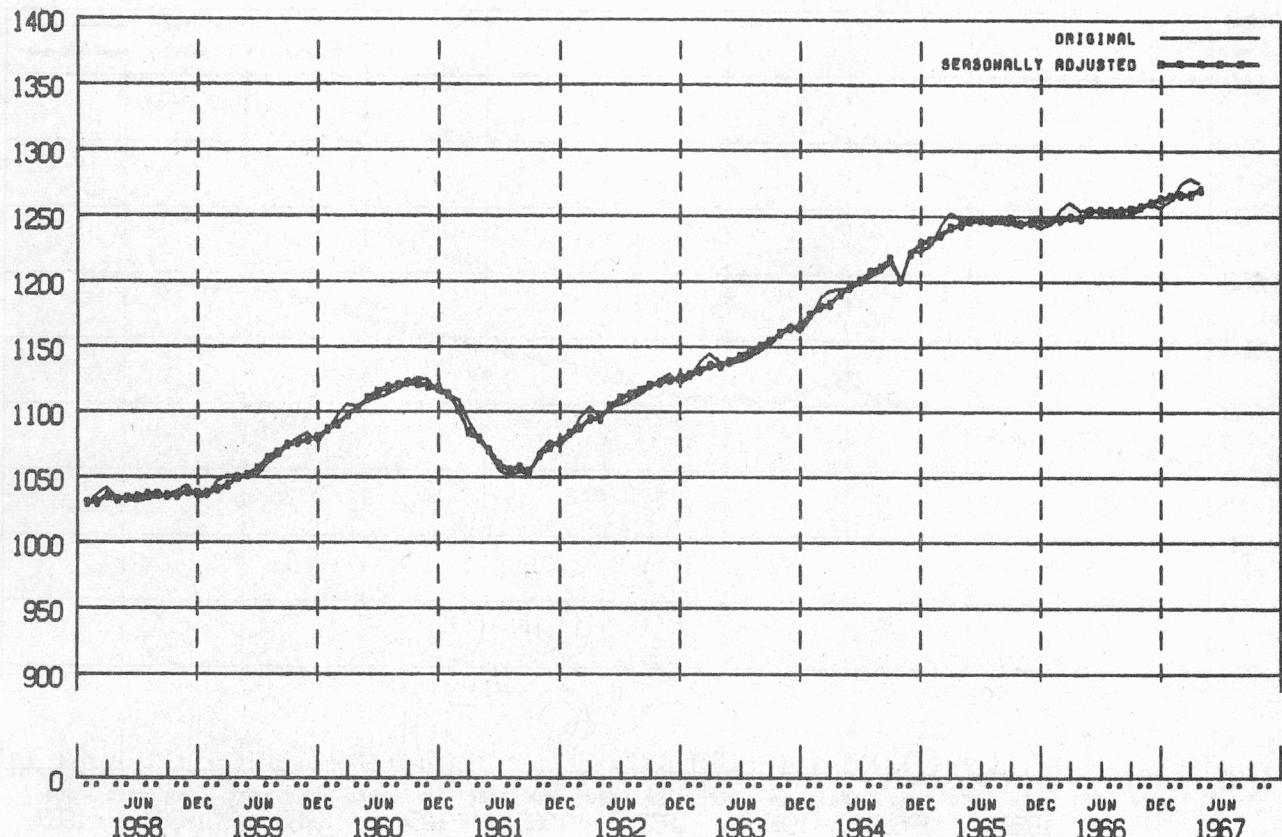
(A) SEE EXPLANATORY NOTES.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

17.

WAGE AND SALARY EARNERS IN CIVILIAN EMPLOYMENT (A) - MANUFACTURING PERSONS

'000



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 1027.7 | 1037.2 | 1041.9 | 1034.2 | 1032.6 | 1030.8 | 1033.1 | 1033.6 | 1035.8 | 1038.8 | 1043.7 | 1034.2 |
| 1959 | 1036.0 | 1047.6 | 1050.5 | 1050.8 | 1050.3 | 1051.8 | 1060.4 | 1065.5 | 1074.0 | 1079.6 | 1084.0 | 1077.0 |
| 1960 | 1085.7 | 1097.6 | 1105.7 | 1103.9 | 1108.2 | 1110.7 | 1113.3 | 1117.1 | 1122.3 | 1125.6 | 1125.3 | 1114.6 |
| 1961 | 1112.7 | 1108.7 | 1092.8 | 1080.5 | 1068.4 | 1055.1 | 1050.9 | 1054.4 | 1053.3B | 1070.1 | 1078.1 | 1073.8 |
| 1962 | 1082.3 | 1095.6 | 1104.0 | 1096.0 | 1103.1 | 1105.7 | 1108.7 | 1113.3 | 1119.2 | 1124.7 | 1129.0 | 1122.1 |
| 1963 | 1127.0 | 1139.4 | 1145.1 | 1138.0 | 1137.4 | 1139.1 | 1142.4 | 1146.9 | 1151.9 | 1161.3 | 1167.3 | 1161.6 |
| 1964 | 1172.0 | 1188.4 | 1192.9 | 1194.4 | 1195.1 | 1198.5 | 1204.0 | 1207.8 | 1213.8 | 1200.6B | 1223.2 | 1223.1 |
| 1965 | 1228.4 | 1244.1 | 1252.8 | 1248.6 | 1246.4 | 1246.1 | 1244.6 | 1245.4 | 1244.3 | 1243.4 | 1246.4 | 1240.9 |
| 1966 | 1243.6 | 1255.6 | 1261.3 | 1254.0 | 1255.5 | 1253.7 | 1252.4 | 1252.0 | 1251.1 | 1256.0 | 1261.2 | 1256.6 |
| 1967 | 1261.5 | 1274.6 | 1278.5 | 1276.0 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 1030.6 | 1031.1 | 1035.7 | 1033.5 | 1034.1 | 1034.8 | 1037.1 | 1037.1 | 1036.3 | 1036.1 | 1038.9 | 1038.3 |
| 1959 | 1038.2 | 1041.4 | 1043.7 | 1050.3 | 1052.4 | 1056.6 | 1065.0 | 1069.3 | 1074.6 | 1076.6 | 1078.6 | 1080.9 |
| 1960 | 1087.5 | 1090.9 | 1098.0 | 1103.5 | 1110.9 | 1116.4 | 1118.6 | 1121.3 | 1123.2 | 1122.3 | 1119.7 | 1118.6 |
| 1961 | 1114.1 | 1101.7 | 1084.8 | 1079.9 | 1071.0 | 1060.4 | 1056.0 | 1058.3 | 1054.7B | 1067.4 | 1073.2 | 1077.8 |
| 1962 | 1083.7 | 1088.4 | 1095.4 | 1094.9 | 1105.4 | 1110.5 | 1113.8 | 1117.3 | 1121.4 | 1122.8 | 1125.0 | 1126.8 |
| 1963 | 1128.9 | 1132.0 | 1135.7 | 1136.1 | 1139.1 | 1142.8 | 1146.8 | 1150.6 | 1154.9 | 1160.7 | 1164.5 | 1167.1 |
| 1964 | 1174.7 | 1180.8 | 1182.7 | 1191.4 | 1196.1 | 1201.0 | 1207.5 | 1211.2 | 1217.6 | 1201.2B | 1221.7 | 1229.7 |
| 1965 | 1231.8 | 1236.3 | 1241.9 | 1244.4 | 1246.8 | 1247.6 | 1247.3 | 1248.5 | 1248.6 | 1245.1 | 1245.9 | 1247.9 |
| 1966 | 1247.5 | 1247.9 | 1250.3 | 1249.1 | 1255.5 | 1254.7 | 1254.7 | 1254.9 | 1255.7 | 1258.2 | 1261.2 | 1263.8 |
| 1967 | 1265.6 | 1266.8 | 1267.1 | 1270.7 | | | | | | | | |

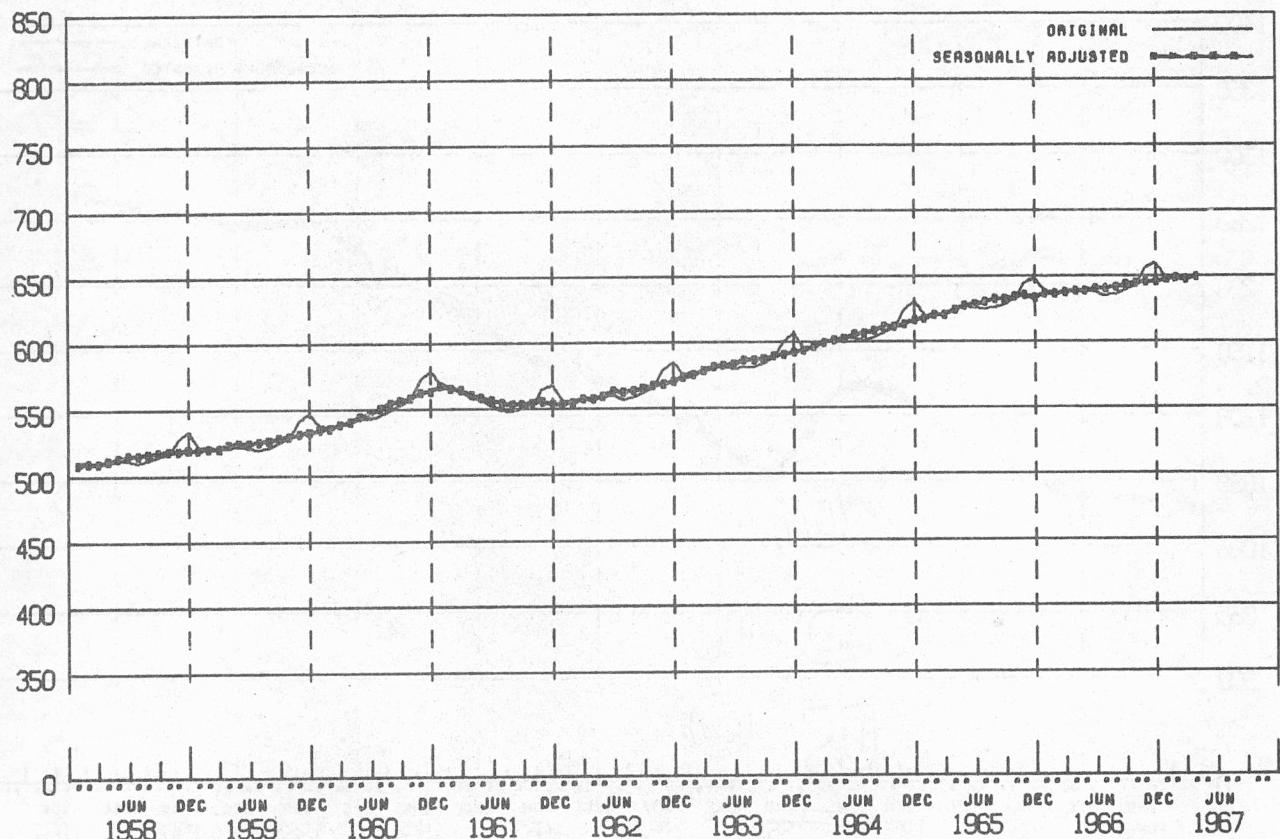
(A) SEE EXPLANATORY NOTES.

(B) AFFECTED BY MAJOR INDUSTRIAL DISPUTE OR TEMPORARY STAND-DOWN.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

WAGE AND SALARY EARNERS IN CIVILIAN EMPLOYMENT (A) - COMMERCE
PERSONS

'000



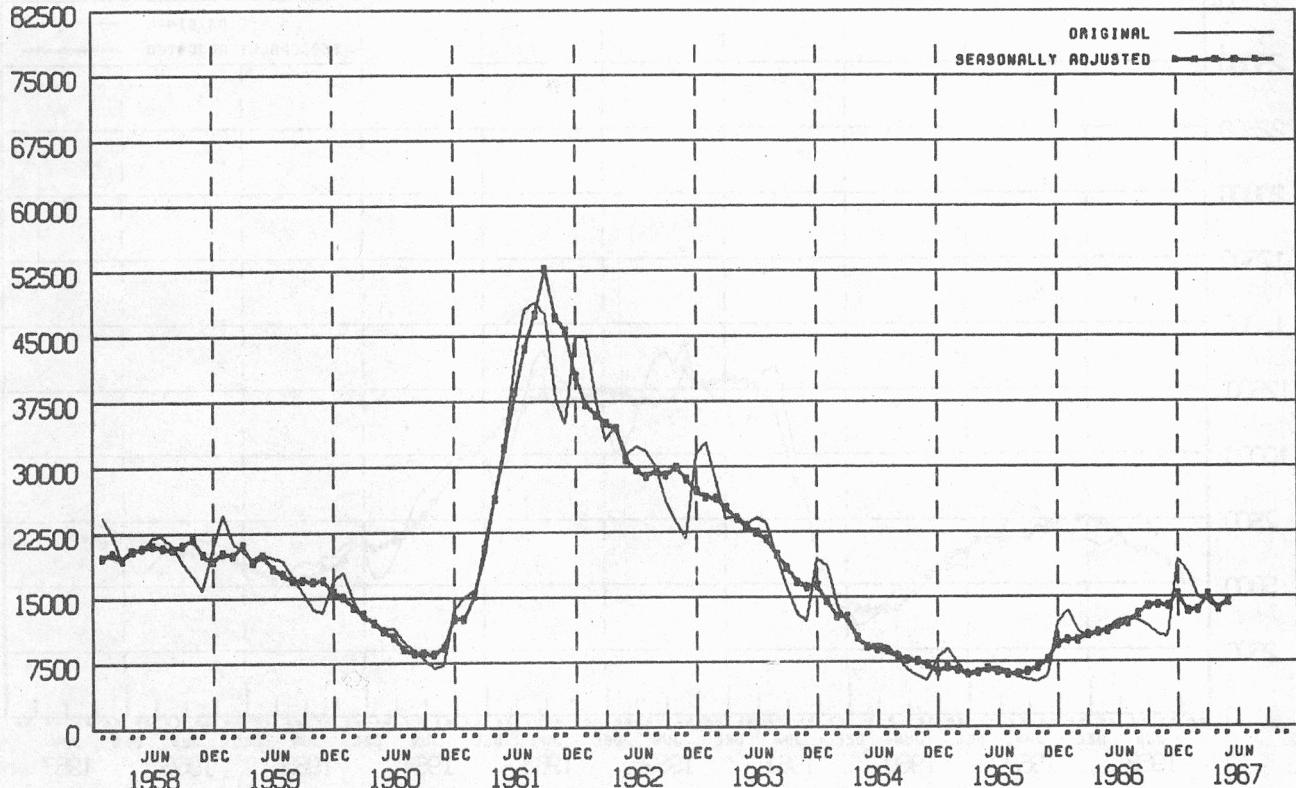
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 511.1 | 510.9 | 509.3 | 509.7 | 512.0 | 511.7 | 510.5 | 511.8 | 514.9 | 517.1 | 527.3 | 534.0 |
| 1959 | 522.2 | 522.1 | 520.9 | 521.0 | 522.6 | 520.9 | 520.3 | 521.2 | 525.1 | 528.6 | 540.8 | 547.0 |
| 1960 | 537.8 | 536.6 | 538.8 | 538.7 | 543.1 | 542.7 | 544.5 | 549.0 | 553.2 | 557.4 | 572.3 | 578.5 |
| 1961 | 570.0 | 566.6 | 564.4 | 558.7 | 557.3 | 552.6 | 548.9 | 548.3 | 550.4 | 553.0 | 564.7 | 567.6 |
| 1962 | 556.5 | 555.6 | 557.9 | 555.9 | 558.9 | 559.7 | 556.7 | 558.4 | 562.2 | 566.1 | 578.5 | 584.9 |
| 1963 | 576.1 | 576.6 | 578.3 | 579.9 | 581.9 | 580.3 | 580.6 | 581.0 | 583.7 | 588.6 | 600.1 | 607.0 |
| 1964 | 595.5 | 596.7 | 599.6 | 600.3 | 602.6 | 602.9 | 601.3 | 602.7 | 607.0 | 610.8 | 623.5 | 631.2 |
| 1965 | 619.9 | 620.7 | 620.5 | 623.9 | 626.8 | 625.9 | 625.1 | 626.1 | 628.2 | 633.0 | 645.4 | 647.6 |
| 1966 | 638.7 | 636.9 | 637.2 | 637.7 | 638.3 | 638.1 | 635.4 | 635.8 | 638.7 | 643.0 | 655.7 | 660.2 |
| 1967 | 649.2 | 648.4 | 647.0 | 648.5 | | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 508.9 | 510.3 | 509.8 | 512.4 | 514.1 | 515.5 | 516.2 | 517.4 | 518.3 | 518.8 | 518.7 | 520.0 |
| 1959 | 519.9 | 521.5 | 521.3 | 523.7 | 524.5 | 524.8 | 526.3 | 526.9 | 528.6 | 530.3 | 531.8 | 533.0 |
| 1960 | 535.4 | 535.9 | 539.0 | 541.4 | 544.9 | 546.8 | 550.9 | 555.1 | 557.0 | 559.1 | 562.8 | 564.2 |
| 1961 | 567.5 | 566.0 | 564.5 | 561.2 | 558.8 | 556.7 | 555.2 | 554.3 | 554.3 | 554.7 | 555.6 | 554.0 |
| 1962 | 554.3 | 555.2 | 558.0 | 558.0 | 560.1 | 563.6 | 562.8 | 564.5 | 566.3 | 567.7 | 569.4 | 571.3 |
| 1963 | 574.1 | 576.5 | 578.5 | 581.7 | 582.9 | 583.8 | 586.6 | 587.2 | 588.0 | 590.3 | 591.0 | 593.3 |
| 1964 | 593.8 | 596.8 | 600.1 | 601.8 | 603.4 | 606.2 | 607.2 | 609.0 | 611.6 | 612.4 | 614.3 | 617.3 |
| 1965 | 618.3 | 621.0 | 621.3 | 625.2 | 627.6 | 628.9 | 631.0 | 632.5 | 632.9 | 634.7 | 635.9 | 633.5 |
| 1966 | 637.2 | 637.3 | 638.3 | 638.9 | 639.0 | 641.0 | 641.3 | 642.3 | 643.5 | 644.7 | 646.1 | 645.9 |
| 1967 | 647.7 | 648.8 | 648.2 | 649.7 | | | | | | | | |

(A) SEE EXPLANATORY NOTES.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

19.

NUMBER RECEIVING UNEMPLOYMENT BENEFIT (A) - MALES
 (SOURCE OF ORIGINAL DATA - DEPARTMENT OF SOCIAL SERVICES)

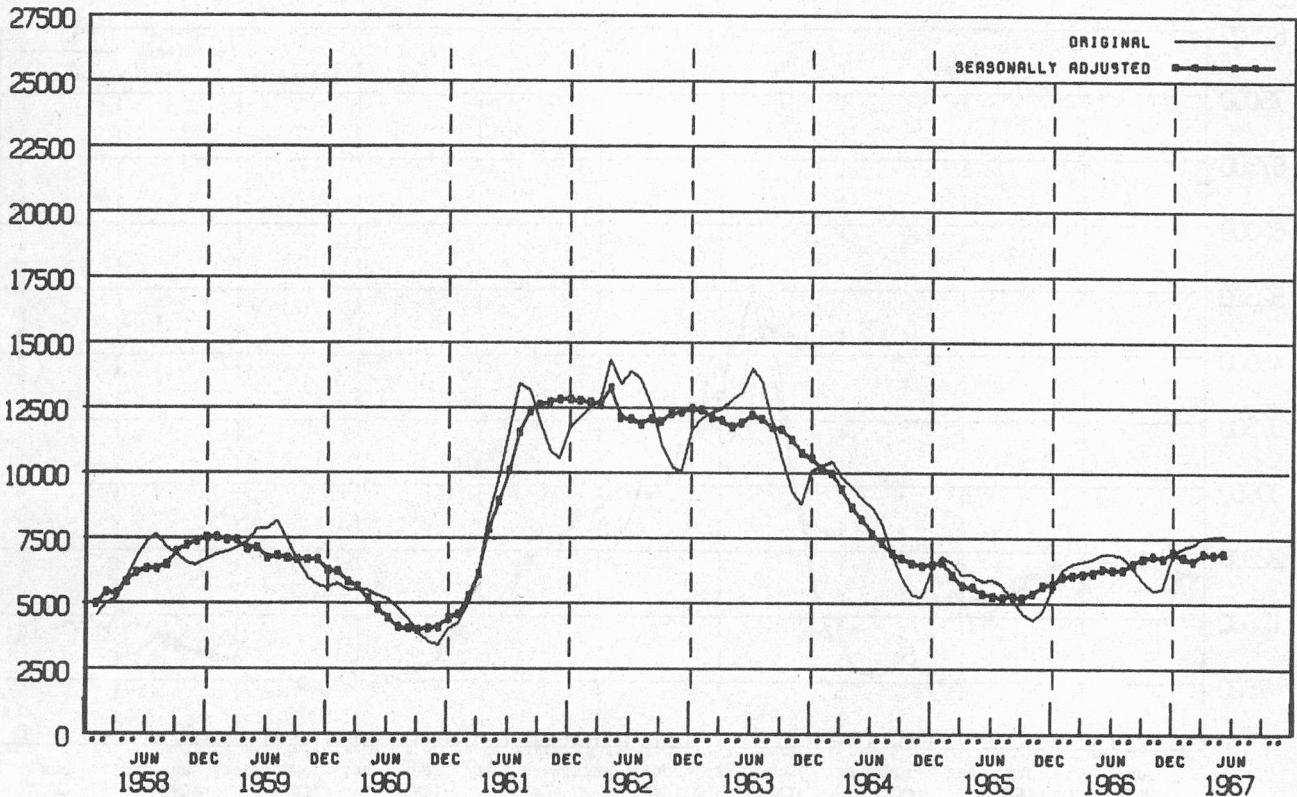


| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 24273 | 22141 | 19359 | 20875 | 20552 | 22051 | 22266 | 21104 | 19098 | 17494 | 15872 | 20919 |
| 1959 | 24647 | 21272 | 20551 | 19471 | 20067 | 19691 | 19299 | 17532 | 15577 | 13654 | 13337 | 16890 |
| 1960 | 18054 | 14522 | 12562 | 12252 | 11475 | 11399 | 10078 | 8947 | 7924 | 6840 | 7236 | 13647 |
| 1961 | 14985 | 15854 | 19558 | 26609 | 32763 | 42479 | 48057 | 48890 | 47603 | 37675 | 34993 | 45024 |
| 1962 | 44976 | 37556 | 33075 | 34804 | 31278 | 32401 | 31834 | 30028 | 25764 | 23554 | 21763 | 31493 |
| 1963 | 32893 | 27908 | 23958 | 24334 | 23355 | 24200 | 23571 | 19864 | 16039 | 13077 | 12196 | 19440 |
| 1964 | 18591 | 13761 | 12089 | 10366 | 9287 | 9478 | 9314 | 8001 | 6629 | 5857 | 5386 | 8007 |
| 1965 | 9026 | 7168 | 5907 | 6221 | 6729 | 6753 | 6455 | 5805 | 5398 | 5273 | 5862 | 12006 |
| 1966 | 13301 | 11042 | 10188 | 10838 | 11187 | 12154 | 12387 | 12250 | 11718 | 10626 | 10386 | 19373 |
| 1967 | 17866 | 14900 | 14604 | 13436 | 14488 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 19745 | 20249 | 19506 | 20570 | 20804 | 21110 | 20834 | 20719 | 21166 | 21879 | 20053 | 19390 |
| 1959 | 20317 | 19990 | 21214 | 19266 | 19966 | 18384 | 17786 | 17075 | 17097 | 16941 | 17037 | 15709 |
| 1960 | 15096 | 13925 | 13177 | 12133 | 11294 | 10439 | 9189 | 8674 | 8709 | 8531 | 9346 | 12563 |
| 1961 | 12557 | 15310 | 20629 | 26364 | 32279 | 38697 | 43651 | 47515 | 52840 | 47315 | 45789 | 40554 |
| 1962 | 37224 | 36050 | 35062 | 34557 | 30927 | 29661 | 29013 | 29555 | 29155 | 30008 | 28696 | 27370 |
| 1963 | 26578 | 26436 | 25388 | 24211 | 23269 | 22452 | 21809 | 19980 | 18515 | 16832 | 16190 | 16311 |
| 1964 | 14601 | 12812 | 12746 | 10398 | 9255 | 8928 | 8783 | 8258 | 7793 | 7643 | 7186 | 6493 |
| 1965 | 6905 | 6593 | 6182 | 6283 | 6712 | 6441 | 6197 | 6118 | 6412 | 6941 | 7855 | 9543 |
| 1966 | 10009 | 10060 | 10639 | 11023 | 11113 | 11664 | 11999 | 13053 | 14006 | 14062 | 13941 | 15272 |
| 1967 | 13340 | 13524 | 15256 | 13703 | 14365 | | | | | | | |

(A) NUMBER ON BENEFIT AT LAST SATURDAY OF MONTH.

NOTE = ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

NUMBER RECEIVING UNEMPLOYMENT BENEFIT (A) - FEMALES
 (SOURCE OF ORIGINAL DATA - DEPARTMENT OF SOCIAL SERVICES)



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 4482 | 5022 | 5126 | 5936 | 6730 | 7367 | 7649 | 7174 | 6904 | 6543 | 6430 | 6646 |
| 1959 | 6839 | 6935 | 7118 | 7353 | 7857 | 7837 | 8143 | 7355 | 6586 | 5944 | 5700 | 5579 |
| 1960 | 5727 | 5498 | 5480 | 5480 | 5290 | 5142 | 4819 | 4384 | 3859 | 3524 | 3424 | 3986 |
| 1961 | 4272 | 5087 | 6088 | 8416 | 9904 | 11775 | 13442 | 13176 | 11958 | 10856 | 10552 | 11732 |
| 1962 | 12129 | 12556 | 12795 | 14332 | 13390 | 13923 | 13619 | 12619 | 11087 | 10242 | 10070 | 11660 |
| 1963 | 12114 | 12364 | 12436 | 12808 | 13124 | 13988 | 13575 | 12005 | 10536 | 9239 | 8782 | 10115 |
| 1964 | 10252 | 10465 | 9866 | 9463 | 9000 | 8651 | 8124 | 6923 | 5958 | 5303 | 5272 | 6301 |
| 1965 | 6805 | 6530 | 6097 | 6115 | 5856 | 5903 | 5682 | 5172 | 4597 | 4341 | 4654 | 5639 |
| 1966 | 6323 | 6569 | 6607 | 6722 | 6895 | 6904 | 6813 | 6344 | 5852 | 5496 | 5534 | 6919 |
| 1967 | 7160 | 7247 | 7501 | 7508 | 7523 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 4987 | 5444 | 5409 | 5833 | 6198 | 6346 | 6357 | 6524 | 6993 | 7230 | 7414 | 7529 |
| 1959 | 7550 | 7460 | 7434 | 7105 | 7155 | 6750 | 6860 | 6747 | 6719 | 6680 | 6683 | 6283 |
| 1960 | 6260 | 5851 | 5641 | 5212 | 4783 | 4427 | 4100 | 4063 | 3997 | 4047 | 4095 | 4446 |
| 1961 | 4597 | 5309 | 6136 | 7897 | 8948 | 10156 | 11576 | 12389 | 12665 | 12742 | 12829 | 12843 |
| 1962 | 12782 | 12766 | 12641 | 13310 | 12145 | 12077 | 11896 | 12100 | 12024 | 12292 | 12362 | 12499 |
| 1963 | 12427 | 12172 | 12045 | 11819 | 11964 | 12273 | 12093 | 11793 | 11693 | 11277 | 10808 | 10603 |
| 1964 | 10222 | 10010 | 9384 | 8716 | 8251 | 7697 | 7368 | 6959 | 6737 | 6551 | 6474 | 6499 |
| 1965 | 6617 | 6113 | 5710 | 5631 | 5392 | 5323 | 5232 | 5289 | 5260 | 5394 | 5700 | 5751 |
| 1966 | 6055 | 6078 | 6136 | 6187 | 6372 | 6275 | 6319 | 6541 | 6733 | 6851 | 6765 | 7024 |
| 1967 | 6815 | 6674 | 6950 | 6911 | 6970 | | | | | | | |

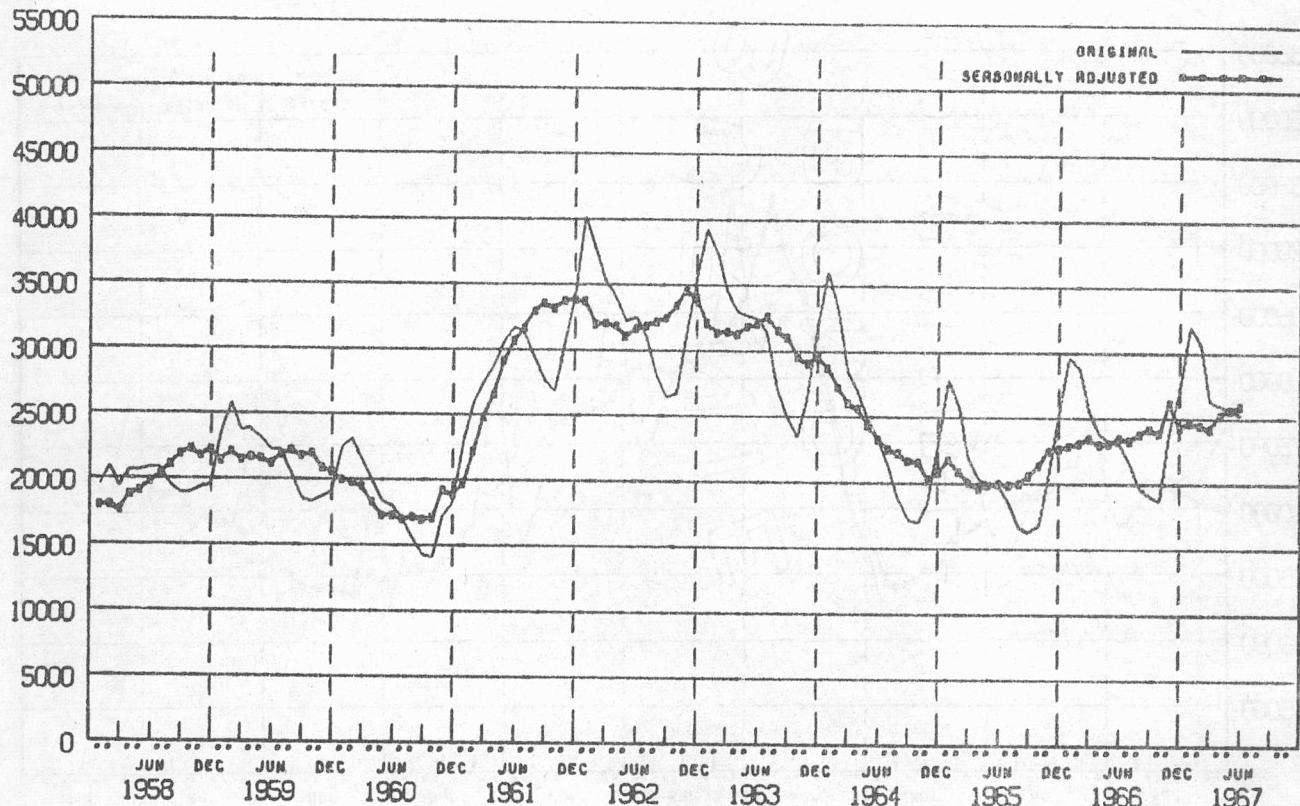
(A) NUMBER ON BENEFIT AT LAST SATURDAY OF MONTH,

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

23.

NUMBER REGISTERED FOR EMPLOYMENT
WITH COMMONWEALTH EMPLOYMENT SERVICE (A) - FEMALES

(SOURCE OF ORIGINAL DATA = DEPARTMENT OF LABOUR AND NATIONAL SERVICE)



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 19518 | 20946 | 19348 | 20643 | 20634 | 20801 | 20847 | 19587 | 18929 | 18851 | 19323 | 19543 |
| 1959 | 23539 | 25821 | 23664 | 23797 | 23067 | 22161 | 22238 | 20405 | 18529 | 18341 | 18550 | 18959 |
| 1960 | 22436 | 23141 | 21550 | 19905 | 18306 | 18034 | 17075 | 15612 | 14273 | 14056 | 17055 | 18164 |
| 1961 | 22707 | 25976 | 27390 | 28690 | 30602 | 31745 | 31413 | 29518 | 27653 | 26781 | 30211 | 34021 |
| 1962 | 40184 | 37672 | 35397 | 34099 | 32228 | 32516 | 31214 | 28226 | 26351 | 26651 | 31056 | 35429 |
| 1963 | 39305 | 37440 | 34623 | 33025 | 32748 | 32512 | 31437 | 27091 | 24898 | 23359 | 26281 | 31847 |
| 1964 | 36136 | 33104 | 28508 | 26907 | 24770 | 23238 | 21420 | 18757 | 17207 | 16951 | 18362 | 22886 |
| 1965 | 27861 | 25806 | 21933 | 20335 | 19992 | 19742 | 18641 | 16651 | 16307 | 16765 | 20409 | 25233 |
| 1966 | 29681 | 28842 | 25574 | 23777 | 23200 | 22954 | 21687 | 19729 | 19055 | 18674 | 23794 | 27094 |
| 1967 | 32136 | 30694 | 26301 | 26046 | 25727 | 25325 | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 18049 | 17975 | 17605 | 18785 | 19116 | 19764 | 20285 | 21101 | 21925 | 22346 | 21811 | 22203 |
| 1959 | 21370 | 22142 | 21521 | 21745 | 21553 | 21184 | 21902 | 22171 | 21771 | 22006 | 20866 | 20621 |
| 1960 | 19974 | 19847 | 19541 | 18319 | 17283 | 17306 | 17009 | 17176 | 17030 | 17147 | 19161 | 18882 |
| 1961 | 19673 | 22233 | 24825 | 26593 | 29226 | 30696 | 31663 | 32998 | 33573 | 33221 | 33810 | 33885 |
| 1962 | 33838 | 31991 | 32124 | 31945 | 31067 | 31741 | 31911 | 32220 | 32498 | 33531 | 34600 | 33980 |
| 1963 | 32113 | 31378 | 31513 | 31262 | 31937 | 32123 | 32689 | 31590 | 31099 | 29637 | 29128 | 29619 |
| 1964 | 28801 | 27281 | 26063 | 25735 | 24381 | 23278 | 22599 | 22265 | 21677 | 21620 | 20284 | 20848 |
| 1965 | 21774 | 20942 | 20113 | 19582 | 19851 | 20018 | 19902 | 19986 | 20639 | 21426 | 22503 | 22744 |
| 1966 | 22923 | 23146 | 23505 | 23008 | 23128 | 23452 | 23308 | 23799 | 24155 | 23882 | 26234 | 24327 |
| 1967 | 24691 | 24500 | 24193 | 25272 | 25721 | 25965 | | | | | | |

(A) PERSONS WHO CLAIMED WHEN REGISTERING THAT THEY WERE NOT EMPLOYED AND WHO WERE RECORDED AS UNPLACED. GENERALLY AT FRIDAY NEAREST END OF MONTH.

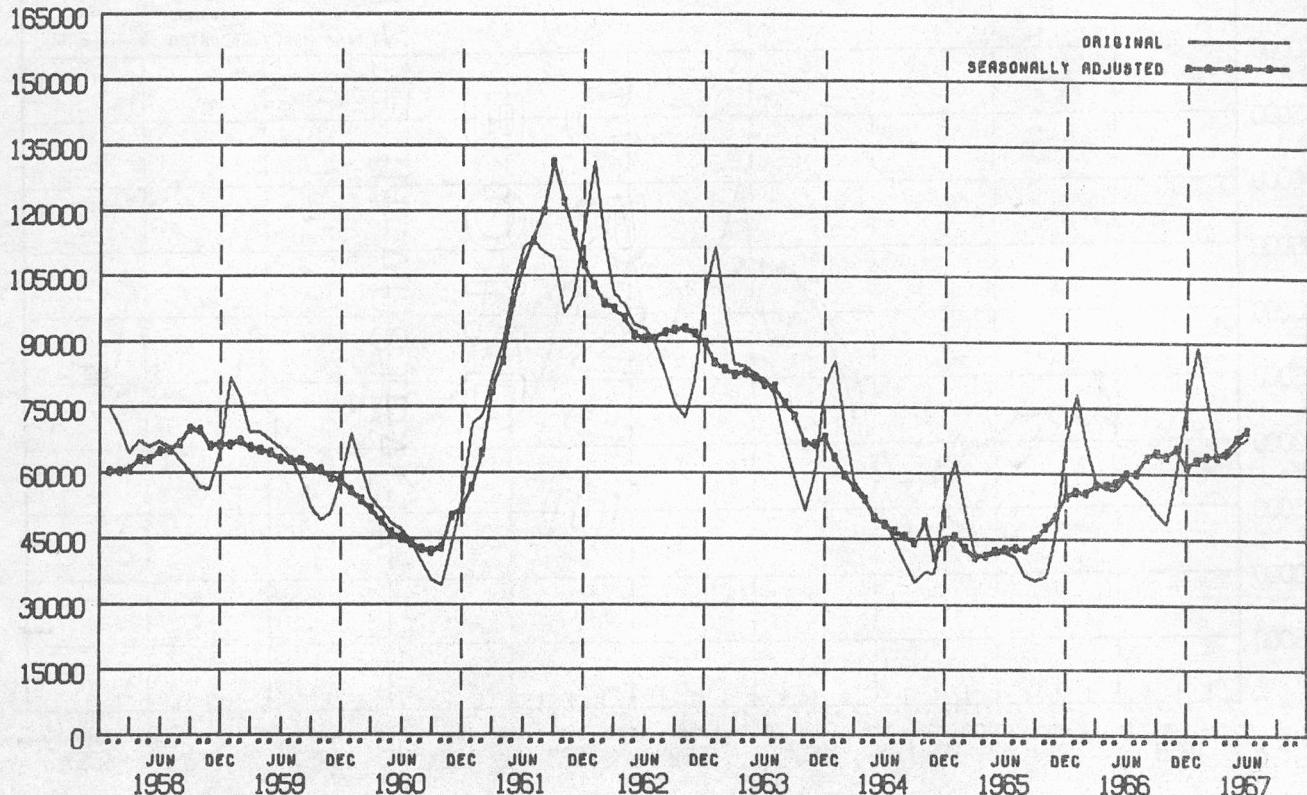
NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

EMPLOYMENT

24.

NUMBER REGISTERED FOR EMPLOYMENT
WITH COMMONWEALTH EMPLOYMENT SERVICE (A) - PERSONS

(SOURCE OF ORIGINAL DATA - DEPARTMENT OF LABOUR AND NATIONAL SERVICE)



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 74765 | 70029 | 64406 | 67407 | 65964 | 67144 | 65913 | 62975 | 60322 | 56779 | 56452 | 64678 |
| 1959 | 81901 | 76926 | 69344 | 69215 | 67621 | 65708 | 63623 | 59233 | 52322 | 49077 | 50718 | 58299 |
| 1960 | 69032 | 61023 | 54165 | 51559 | 48606 | 47213 | 44280 | 39945 | 35623 | 34410 | 43313 | 53563 |
| 1961 | 71115 | 73072 | 81865 | 89367 | 102554 | 111684 | 113439 | 110701 | 109123 | 96552 | 100057 | 115936 |
| 1962 | 131496 | 112250 | 101093 | 98547 | 93916 | 93128 | 90091 | 83376 | 75951 | 72648 | 80934 | 101248 |
| 1963 | 111807 | 96042 | 84912 | 84625 | 82870 | 81407 | 78131 | 67229 | 58886 | 51693 | 59500 | 80096 |
| 1964 | 85809 | 69227 | 57925 | 54461 | 49780 | 48543 | 45110 | 39578 | 35166 | 37494 | 37053 | 54506 |
| 1965 | 63023 | 50747 | 41671 | 41014 | 41843 | 42145 | 41021 | 36585 | 35641 | 36381 | 45682 | 67559 |
| 1966 | 78308 | 65965 | 58304 | 56576 | 56537 | 59020 | 56823 | 54279 | 50916 | 48571 | 59877 | 76457 |
| 1967 | 88963 | 76254 | 64857 | 64046 | 66185 | 68491 | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 60694 | 60522 | 60834 | 63165 | 63305 | 65174 | 65415 | 66972 | 70190 | 70049 | 66306 | 66738 |
| 1959 | 66629 | 67432 | 66029 | 65439 | 64782 | 63410 | 63120 | 63021 | 61313 | 60811 | 59222 | 58483 |
| 1960 | 55961 | 53088 | 51918 | 49160 | 46604 | 45383 | 44026 | 42786 | 42239 | 43102 | 50293 | 51856 |
| 1961 | 56967 | 64815 | 78771 | 85839 | 99136 | 107833 | 113404 | 120159 | 131462 | 122502 | 115054 | 107777 |
| 1962 | 103293 | 99106 | 97893 | 95694 | 91693 | 90784 | 91011 | 92321 | 93100 | 93388 | 92040 | 89930 |
| 1963 | 85588 | 84068 | 82782 | 83097 | 82220 | 80455 | 80214 | 76147 | 73282 | 67108 | 66846 | 68334 |
| 1964 | 63999 | 59793 | 56910 | 54212 | 50111 | 48669 | 47047 | 45760 | 44294 | 49132 | 41222 | 45096 |
| 1965 | 45911 | 43315 | 41133 | 41303 | 42717 | 42752 | 43336 | 42876 | 45274 | 47956 | 50423 | 54955 |
| 1966 | 56208 | 55753 | 57744 | 57566 | 58110 | 60247 | 60425 | 64046 | 64975 | 64121 | 65915 | 61712 |
| 1967 | 63443 | 64173 | 64344 | 65535 | 68284 | 70136 | | | | | | |

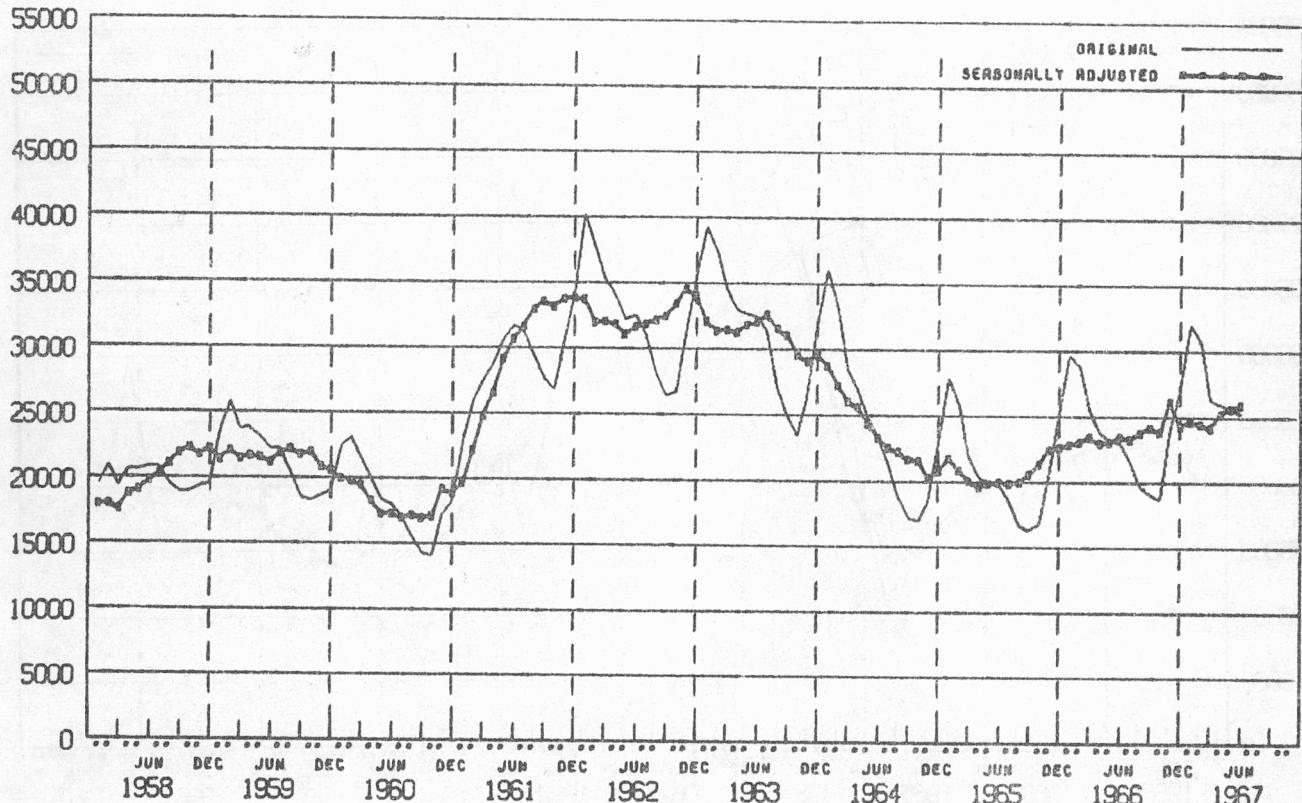
(A) PERSONS WHO CLAIMED WHEN REGISTERING THAT THEY WERE NOT EMPLOYED AND WHO WERE RECORDED AS UNPLACED. GENERALLY AT FRIDAY NEAREST END OF MONTH.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

23.

NUMBER REGISTERED FOR EMPLOYMENT
WITH COMMONWEALTH EMPLOYMENT SERVICE (A) - FEMALES

(SOURCE OF ORIGINAL DATA = DEPARTMENT OF LABOUR AND NATIONAL SERVICE)



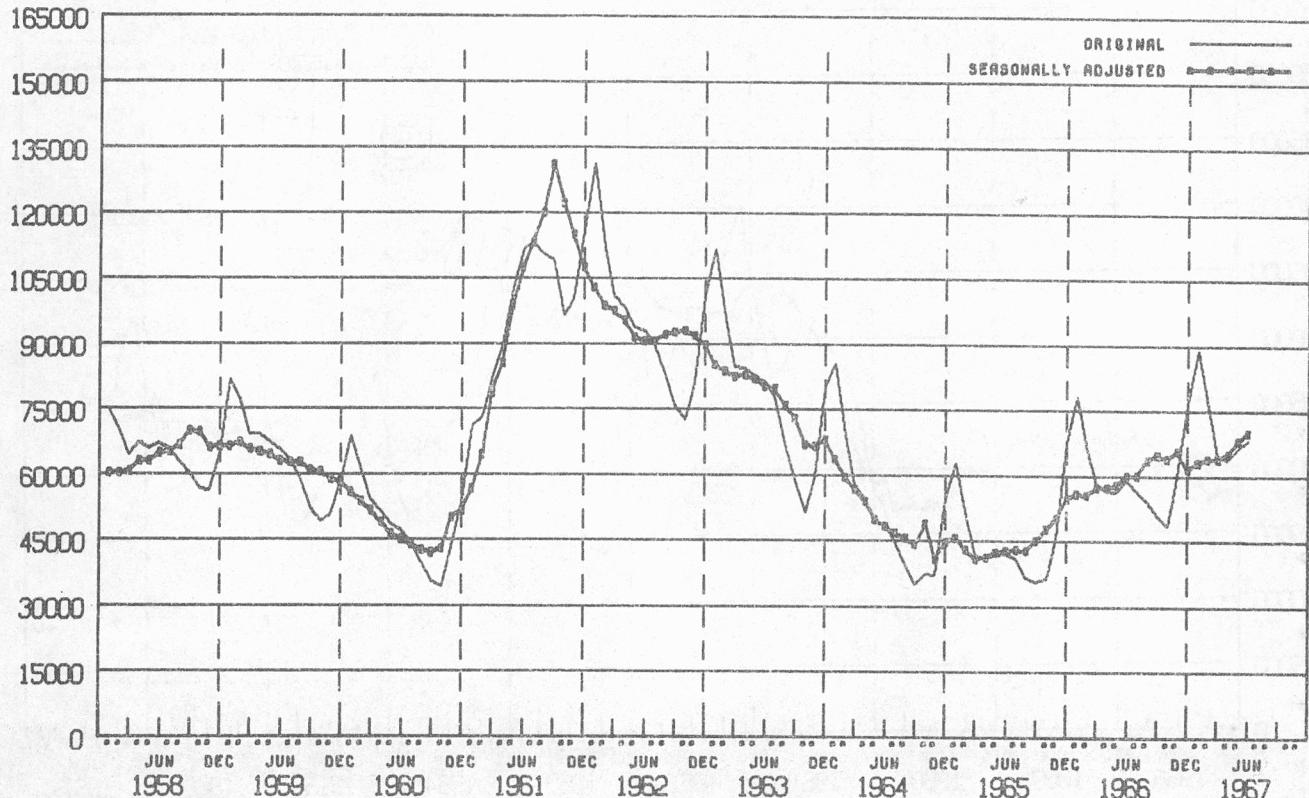
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 19518 | 20946 | 19348 | 20643 | 20634 | 20801 | 20847 | 19587 | 18929 | 18851 | 19323 | 19543 |
| 1959 | 23539 | 25821 | 23664 | 23797 | 23067 | 22161 | 22238 | 20405 | 18529 | 18341 | 18550 | 18959 |
| 1960 | 22436 | 23141 | 21550 | 19905 | 18306 | 18034 | 17075 | 15612 | 14273 | 14056 | 17055 | 18164 |
| 1961 | 22707 | 25976 | 27390 | 28690 | 30602 | 31745 | 31413 | 29518 | 27653 | 26781 | 30211 | 34021 |
| 1962 | 40184 | 37672 | 35397 | 34099 | 32228 | 32516 | 31214 | 28226 | 26351 | 26651 | 31056 | 35429 |
| 1963 | 39305 | 37440 | 34623 | 33025 | 32748 | 32512 | 31437 | 27091 | 24898 | 23359 | 26281 | 31847 |
| 1964 | 36136 | 33104 | 28508 | 26907 | 24770 | 23238 | 21420 | 18757 | 17207 | 16951 | 18362 | 22886 |
| 1965 | 27861 | 25806 | 21933 | 20335 | 19992 | 19742 | 18641 | 16651 | 16307 | 16765 | 20409 | 25233 |
| 1966 | 29681 | 28842 | 25574 | 23777 | 23200 | 22954 | 21687 | 19729 | 19055 | 18674 | 23794 | 27094 |
| 1967 | 32136 | 30694 | 26301 | 26046 | 25727 | 25325 | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 18049 | 17975 | 17605 | 18785 | 19116 | 19764 | 20285 | 21101 | 21925 | 22346 | 21811 | 22203 |
| 1959 | 21370 | 22142 | 21521 | 21745 | 21553 | 21184 | 21902 | 22171 | 21771 | 22006 | 20866 | 20621 |
| 1960 | 19974 | 19847 | 19541 | 18319 | 17283 | 17306 | 17009 | 17176 | 17030 | 17147 | 19161 | 18882 |
| 1961 | 19673 | 22233 | 24825 | 26593 | 29226 | 30696 | 31663 | 32998 | 33573 | 33221 | 33810 | 33885 |
| 1962 | 33838 | 31991 | 32124 | 31945 | 31067 | 31741 | 31911 | 32220 | 32498 | 33531 | 34600 | 33980 |
| 1963 | 32113 | 31378 | 31513 | 31262 | 31937 | 32123 | 32689 | 31590 | 31099 | 29637 | 29128 | 29619 |
| 1964 | 28801 | 27281 | 26063 | 25735 | 24381 | 23278 | 22599 | 22265 | 21677 | 21620 | 20284 | 20848 |
| 1965 | 21774 | 20942 | 20113 | 19582 | 19851 | 20018 | 19902 | 19986 | 20639 | 21426 | 22503 | 22744 |
| 1966 | 22923 | 23146 | 23505 | 23008 | 23128 | 23452 | 23308 | 23799 | 24155 | 23882 | 26234 | 24327 |
| 1967 | 24691 | 24500 | 24193 | 25272 | 25721 | 25965 | | | | | | |

(A) PERSONS WHO CLAIMED WHEN REGISTERING THAT THEY WERE NOT EMPLOYED AND WHO WERE RECORDED AS UNPLACED. GENERALLY AT FRIDAY NEAREST END OF MONTH.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

NUMBER REGISTERED FOR EMPLOYMENT
WITH COMMONWEALTH EMPLOYMENT SERVICE (A) - PERSONS

(SOURCE OF ORIGINAL DATA = DEPARTMENT OF LABOUR AND NATIONAL SERVICE)



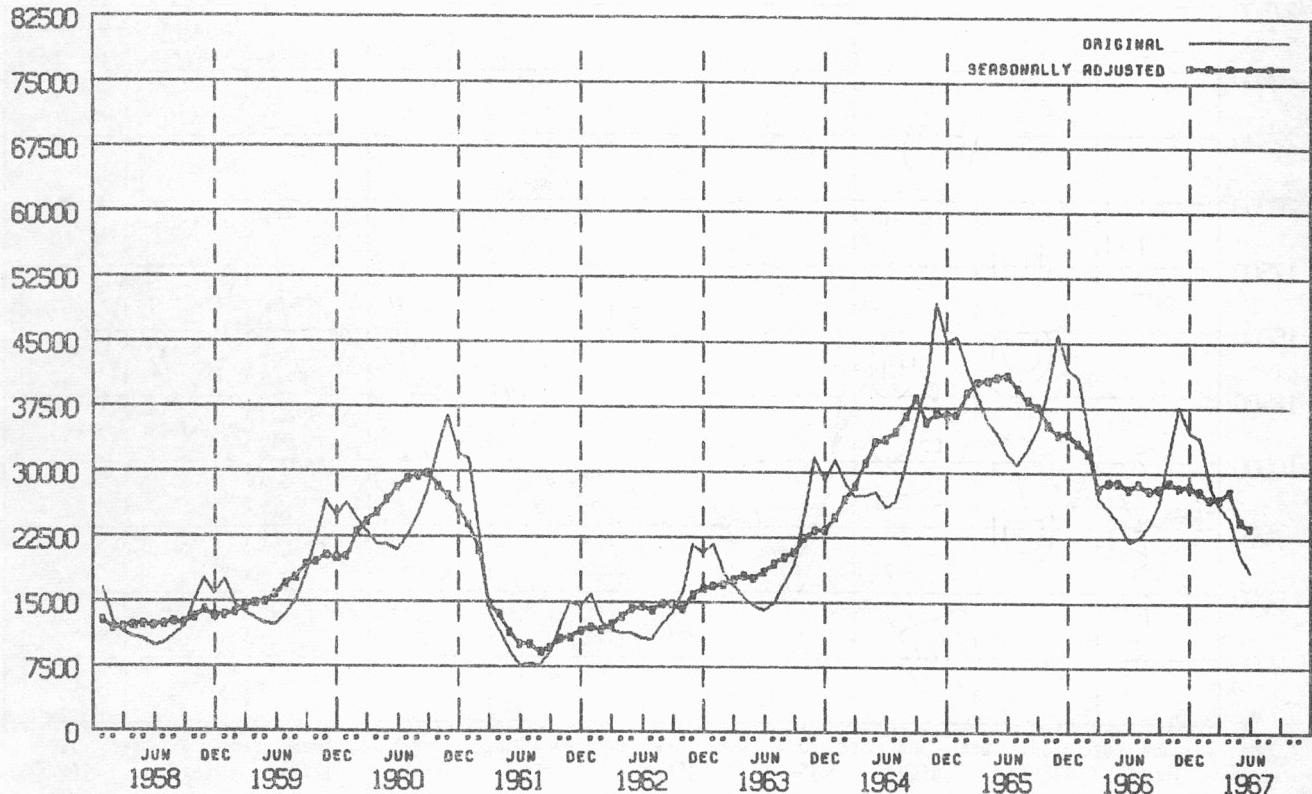
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 74765 | 70029 | 64406 | 67407 | 65964 | 67144 | 65913 | 62975 | 60322 | 56779 | 56452 | 64678 |
| 1959 | 81901 | 76926 | 69344 | 69215 | 67621 | 65708 | 63623 | 59233 | 52322 | 49077 | 50718 | 58299 |
| 1960 | 69032 | 61023 | 54165 | 51559 | 48606 | 47213 | 44280 | 39945 | 35623 | 34410 | 43313 | 53563 |
| 1961 | 71115 | 73072 | 81865 | 89367 | 102554 | 111684 | 113439 | 110701 | 109123 | 96552 | 100057 | 115936 |
| 1962 | 131496 | 112250 | 101093 | 98547 | 93916 | 93128 | 90091 | 83376 | 75951 | 72648 | 80934 | 101248 |
| 1963 | 111807 | 96042 | 84912 | 84625 | 82870 | 81407 | 78131 | 67229 | 58886 | 51693 | 59500 | 80096 |
| 1964 | 85809 | 69227 | 57925 | 54461 | 49780 | 48543 | 45110 | 39578 | 35166 | 37494 | 37053 | 54506 |
| 1965 | 63023 | 50747 | 41671 | 41014 | 41843 | 42145 | 41021 | 36585 | 35641 | 36381 | 45682 | 67459 |
| 1966 | 78308 | 65965 | 58304 | 56576 | 56537 | 59020 | 56823 | 54279 | 50916 | 48571 | 59877 | 76457 |
| 1967 | 88965 | 76254 | 64857 | 64046 | 66185 | 68491 | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 60694 | 60522 | 60834 | 63166 | 63305 | 65174 | 65415 | 66972 | 70190 | 70049 | 66306 | 66738 |
| 1959 | 66629 | 67432 | 66029 | 65439 | 64782 | 63410 | 63120 | 63021 | 61313 | 60811 | 59222 | 58483 |
| 1960 | 55961 | 53988 | 51918 | 49160 | 46604 | 45383 | 44026 | 42786 | 42239 | 43102 | 50293 | 51856 |
| 1961 | 56967 | 64815 | 78771 | 85839 | 99136 | 107833 | 113404 | 120159 | 131462 | 122502 | 115054 | 107777 |
| 1962 | 103293 | 99106 | 97893 | 95694 | 91693 | 90784 | 91011 | 92321 | 93100 | 93388 | 92040 | 89930 |
| 1963 | 85588 | 84068 | 82782 | 83097 | 82220 | 80455 | 80214 | 76147 | 73282 | 67108 | 66846 | 68334 |
| 1964 | 63999 | 59793 | 56910 | 54212 | 50111 | 48669 | 47047 | 45760 | 44294 | 49132 | 41222 | 45096 |
| 1965 | 45911 | 43315 | 41133 | 41303 | 42717 | 42732 | 43336 | 42876 | 45274 | 47956 | 50423 | 54955 |
| 1966 | 56208 | 55753 | 57744 | 57566 | 58110 | 60247 | 60425 | 64046 | 64975 | 64121 | 65915 | 61712 |
| 1967 | 63443 | 64173 | 64344 | 65535 | 68284 | 70136 | | | | | | |

(A) PERSONS WHO CLAIMED WHEN REGISTERING THAT THEY WERE NOT EMPLOYED AND WHO WERE RECORDED AS UNPLACED, GENERALLY AT FRIDAY NEAREST END OF MONTH.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

JOB VACANCIES REGISTERED
WITH COMMONWEALTH EMPLOYMENT SERVICE (A) - FOR MALES

(SOURCE OF ORIGINAL DATA - DEPARTMENT OF LABOUR AND NATIONAL SERVICE)



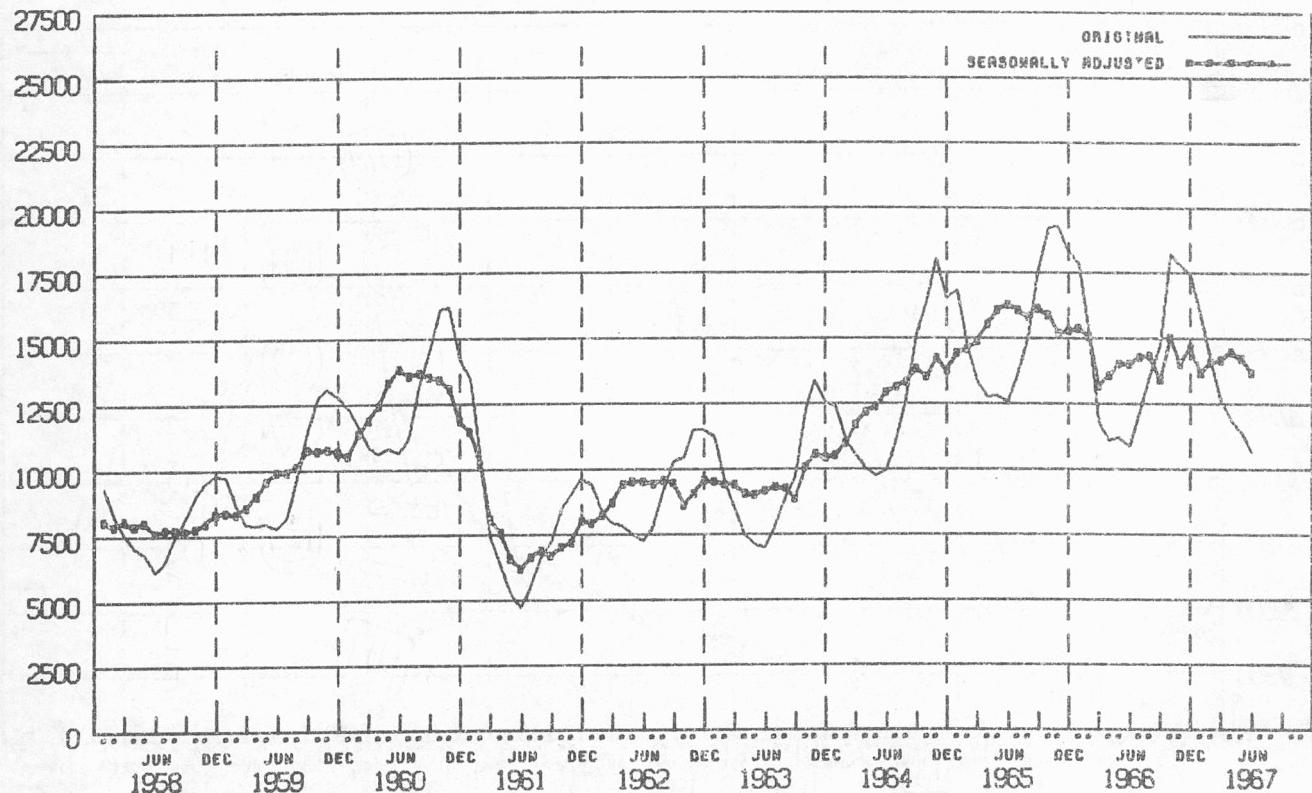
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 16575 | 12533 | 11611 | 10955 | 10600 | 9836 | 10059 | 10895 | 11966 | 15076 | 17709 | 15907 |
| 1959 | 17580 | 14621 | 13763 | 12999 | 12427 | 12250 | 13384 | 14961 | 18245 | 22688 | 26644 | 24736 |
| 1960 | 26465 | 24524 | 23103 | 21643 | 21664 | 21064 | 22531 | 24690 | 28029 | 32982 | 36466 | 32137 |
| 1961 | 31428 | 22466 | 14017 | 11647 | 9238 | 7593 | 7769 | 7684 | 9131 | 12479 | 14963 | 14612 |
| 1962 | 15847 | 12627 | 11833 | 11373 | 11356 | 10814 | 10701 | 12408 | 13796 | 16358 | 21680 | 20664 |
| 1963 | 21701 | 18289 | 16878 | 15610 | 14557 | 14033 | 14795 | 17049 | 19471 | 25660 | 31747 | 28974 |
| 1964 | 31552 | 28666 | 27238 | 27282 | 27700 | 26002 | 26769 | 30985 | 36077 | 40549 | 49605 | 44960 |
| 1965 | 45642 | 41691 | 39005 | 35965 | 34347 | 32071 | 30843 | 32651 | 35245 | 40002 | 46013 | 42068 |
| 1966 | 41016 | 34118 | 27213 | 25749 | 24283 | 22116 | 22479 | 23902 | 26506 | 32536 | 37666 | 34576 |
| 1967 | 34000 | 28501 | 26097 | 24795 | 20594 | 18669 | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 12897 | 11965 | 12085 | 12253 | 12415 | 12308 | 12483 | 12772 | 12641 | 13259 | 14070 | 13286 |
| 1959 | 13516 | 13843 | 14423 | 14920 | 15035 | 15937 | 17046 | 17779 | 19350 | 19641 | 20451 | 20172 |
| 1960 | 20176 | 23056 | 24335 | 25333 | 26908 | 28199 | 29290 | 29619 | 29876 | 28291 | 27244 | 25853 |
| 1961 | 23976 | 21045 | 14805 | 13718 | 11586 | 10264 | 10235 | 9241 | 9781 | 10736 | 11024 | 11693 |
| 1962 | 12173 | 11802 | 12483 | 13349 | 14193 | 14562 | 14139 | 14877 | 14822 | 14178 | 15932 | 16595 |
| 1963 | 16879 | 17140 | 17761 | 18114 | 17896 | 18620 | 19465 | 20276 | 20922 | 22488 | 23461 | 23439 |
| 1964 | 24966 | 26969 | 28474 | 31213 | 33575 | 33936 | 34855 | 36608 | 38661 | 35806 | 36916 | 36726 |
| 1965 | 36783 | 39335 | 40567 | 40687 | 41081 | 41283 | 39788 | 38384 | 37606 | 35538 | 34462 | 34573 |
| 1966 | 33474 | 32228 | 28177 | 28980 | 28894 | 28247 | 28826 | 28048 | 28203 | 28970 | 28310 | 28487 |
| 1967 | 27888 | 26938 | 26980 | 27872 | 24424 | 23744 | | | | | | |

(A) VACANCIES WHICH EMPLOYERS CLAIMED WERE AVAILABLE EITHER IMMEDIATELY OR BY THE END OF FOLLOWING CALENDAR MONTH, GENERALLY AT FRIDAY NEAREST END OF MONTH.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

JOB VACANCIES REGISTERED
WITH COMMONWEALTH EMPLOYMENT SERVICE (A) - FOR FEMALES

(SOURCE OF ORIGINAL DATA - DEPARTMENT OF LABOUR AND NATIONAL SERVICE)



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 9349 | 8214 | 7618 | 7068 | 6817 | 6122 | 6445 | 7438 | 8147 | 9057 | 9482 | 9814 |
| 1959 | 9775 | 8606 | 7969 | 7885 | 7946 | 7793 | 8165 | 9762 | 11501 | 12728 | 13095 | 12780 |
| 1960 | 12341 | 11644 | 10882 | 10616 | 10808 | 10652 | 11142 | 13144 | 14486 | 16119 | 16210 | 14210 |
| 1961 | 13484 | 10367 | 7429 | 6369 | 5258 | 4715 | 5440 | 6591 | 7187 | 8502 | 8993 | 9572 |
| 1962 | 9382 | 8320 | 7954 | 7833 | 7510 | 7252 | 7759 | 9128 | 10284 | 10453 | 11504 | 11520 |
| 1963 | 11252 | 9512 | 8574 | 7504 | 7105 | 7020 | 7761 | 8836 | 9681 | 12237 | 13424 | 12532 |
| 1964 | 12413 | 11042 | 10571 | 10055 | 9761 | 9938 | 10997 | 12631 | 15079 | 16415 | 18056 | 16522 |
| 1965 | 16846 | 14627 | 13404 | 12763 | 12778 | 12618 | 13553 | 14956 | 17621 | 19253 | 19324 | 18283 |
| 1966 | 17844 | 15101 | 11802 | 11115 | 11209 | 10905 | 12092 | 13530 | 14717 | 18232 | 17847 | 17461 |
| 1967 | 15854 | 14086 | 12655 | 11857 | 11417 | 10666 | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 8101 | 7895 | 8120 | 7921 | 8068 | 7664 | 7763 | 7762 | 7709 | 7795 | 7981 | 8333 |
| 1959 | 8416 | 8368 | 8605 | 9057 | 9605 | 9947 | 9930 | 10165 | 10805 | 10754 | 10799 | 10723 |
| 1960 | 10530 | 11411 | 11876 | 12470 | 13354 | 13832 | 13625 | 13687 | 13530 | 13436 | 13124 | 11830 |
| 1961 | 11472 | 10214 | 8149 | 7593 | 6609 | 6175 | 6659 | 6894 | 6677 | 7047 | 7176 | 8034 |
| 1962 | 7954 | 8228 | 8764 | 9428 | 9562 | 9526 | 9448 | 9590 | 9507 | 8636 | 9109 | 9585 |
| 1963 | 9548 | 9448 | 9458 | 9080 | 9055 | 9190 | 9374 | 9316 | 8914 | 10114 | 10602 | 10441 |
| 1964 | 10570 | 11007 | 11707 | 12221 | 12381 | 12934 | 13159 | 13366 | 13831 | 13562 | 14241 | 13791 |
| 1965 | 14460 | 14619 | 14915 | 15558 | 16083 | 16310 | 16099 | 15848 | 16136 | 15910 | 15217 | 15289 |
| 1966 | 15402 | 15107 | 13199 | 13582 | 14040 | 14055 | 14298 | 14331 | 13463 | 15064 | 14041 | 14627 |
| 1967 | 13711 | 14098 | 14205 | 14502 | 14251 | 13723 | | | | | | |

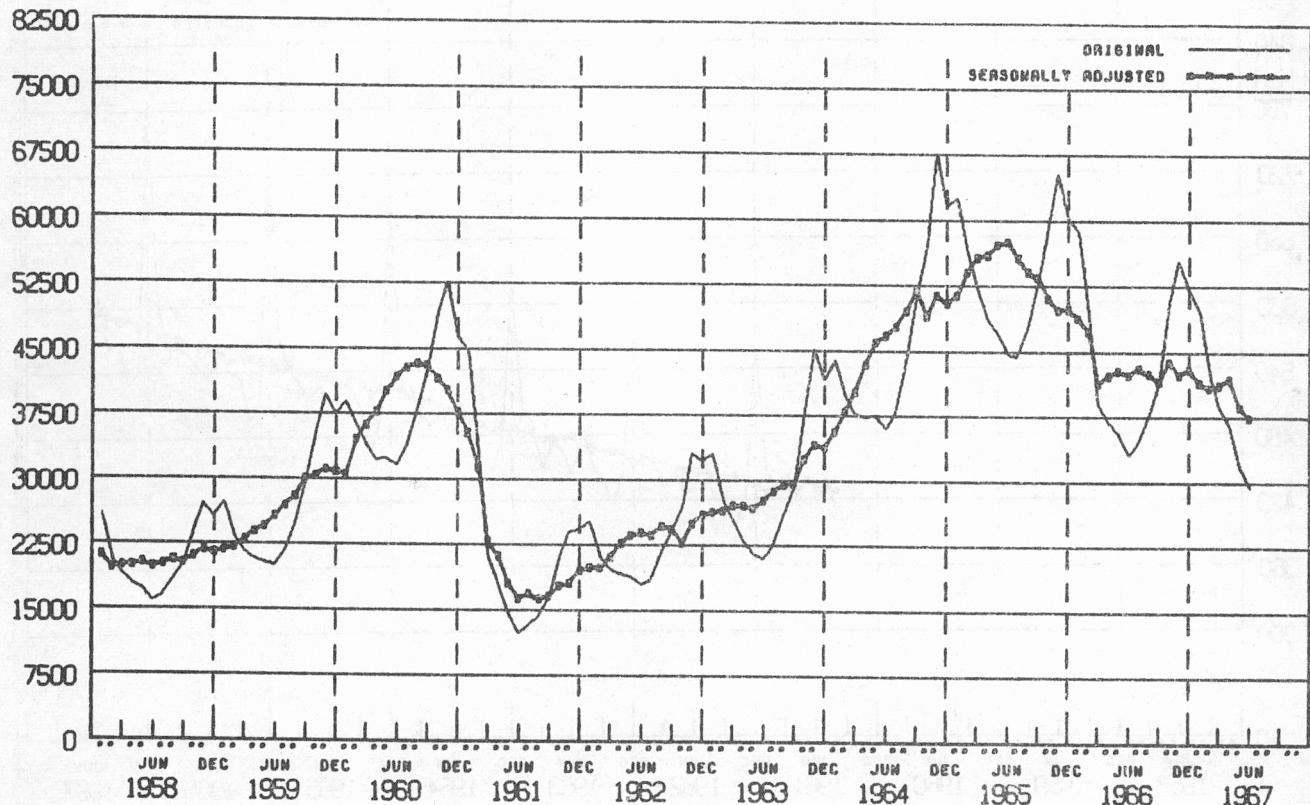
(A) VACANCIES WHICH EMPLOYERS CLAIMED WERE AVAILABLE EITHER IMMEDIATELY OR BY THE END OF FOLLOWING CALENDAR MONTH. GENERALLY AT FRIDAY NEAREST END OF MONTH.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

27.

JOB VACANCIES REGISTERED
WITH COMMONWEALTH EMPLOYMENT SERVICE (A) - TOTAL

(SOURCE OF ORIGINAL DATA - DEPARTMENT OF LABOUR AND NATIONAL SERVICE)



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 25924 | 20747 | 19229 | 18023 | 17417 | 15958 | 16504 | 18333 | 20113 | 24133 | 27191 | 25721 |
| 1959 | 27355 | 23227 | 21732 | 20884 | 20373 | 20043 | 21549 | 24723 | 29746 | 35416 | 39739 | 37516 |
| 1960 | 38806 | 36168 | 33985 | 32259 | 32472 | 31716 | 33673 | 37834 | 42515 | 49101 | 52676 | 46347 |
| 1961 | 44912 | 32833 | 21446 | 18016 | 14496 | 12308 | 13209 | 14275 | 16318 | 20981 | 23956 | 24284 |
| 1962 | 25229 | 20947 | 19797 | 19206 | 18866 | 18066 | 18460 | 21536 | 24080 | 26811 | 33184 | 32184 |
| 1963 | 32953 | 27801 | 25452 | 23114 | 21662 | 21053 | 22556 | 25885 | 29152 | 37897 | 45171 | 41506 |
| 1964 | 43965 | 39708 | 37809 | 37337 | 37461 | 35940 | 37766 | 43616 | 51156 | 56964 | 67661 | 61482 |
| 1965 | 62488 | 56318 | 52409 | 48728 | 47125 | 44689 | 44396 | 47607 | 52866 | 59255 | 65337 | 60351 |
| 1966 | 58860 | 49219 | 39015 | 36864 | 35492 | 33021 | 34571 | 37432 | 41223 | 50768 | 55513 | 52037 |
| 1967 | 49854 | 42587 | 38752 | 36652 | 32011 | 29335 | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 21273 | 19865 | 20170 | 20141 | 20386 | 19895 | 20243 | 20645 | 20440 | 21113 | 21905 | 21599 |
| 1959 | 21911 | 22245 | 23043 | 23980 | 24563 | 25845 | 27008 | 28088 | 30210 | 30471 | 31129 | 30904 |
| 1960 | 30620 | 34592 | 36318 | 37858 | 40147 | 41918 | 42871 | 43276 | 43204 | 41740 | 40392 | 37754 |
| 1961 | 35325 | 31374 | 22999 | 21339 | 18140 | 16424 | 16971 | 16385 | 16596 | 17819 | 18143 | 19682 |
| 1962 | 19950 | 19986 | 21217 | 22755 | 23643 | 24067 | 23728 | 24722 | 24480 | 22844 | 25059 | 26137 |
| 1963 | 26344 | 26576 | 27219 | 27193 | 26861 | 27768 | 28844 | 29598 | 29640 | 32504 | 34193 | 33883 |
| 1964 | 35676 | 38061 | 40282 | 43451 | 45994 | 46846 | 47840 | 49725 | 51960 | 49050 | 51404 | 50575 |
| 1965 | 51446 | 54122 | 55745 | 56170 | 57276 | 57666 | 55788 | 54130 | 53603 | 51174 | 49804 | 49895 |
| 1966 | 48934 | 47354 | 41470 | 42264 | 42970 | 42382 | 43230 | 42529 | 41713 | 43906 | 42388 | 43107 |
| 1967 | 41611 | 40996 | 41204 | 41960 | 38650 | 37537 | | | | | | |

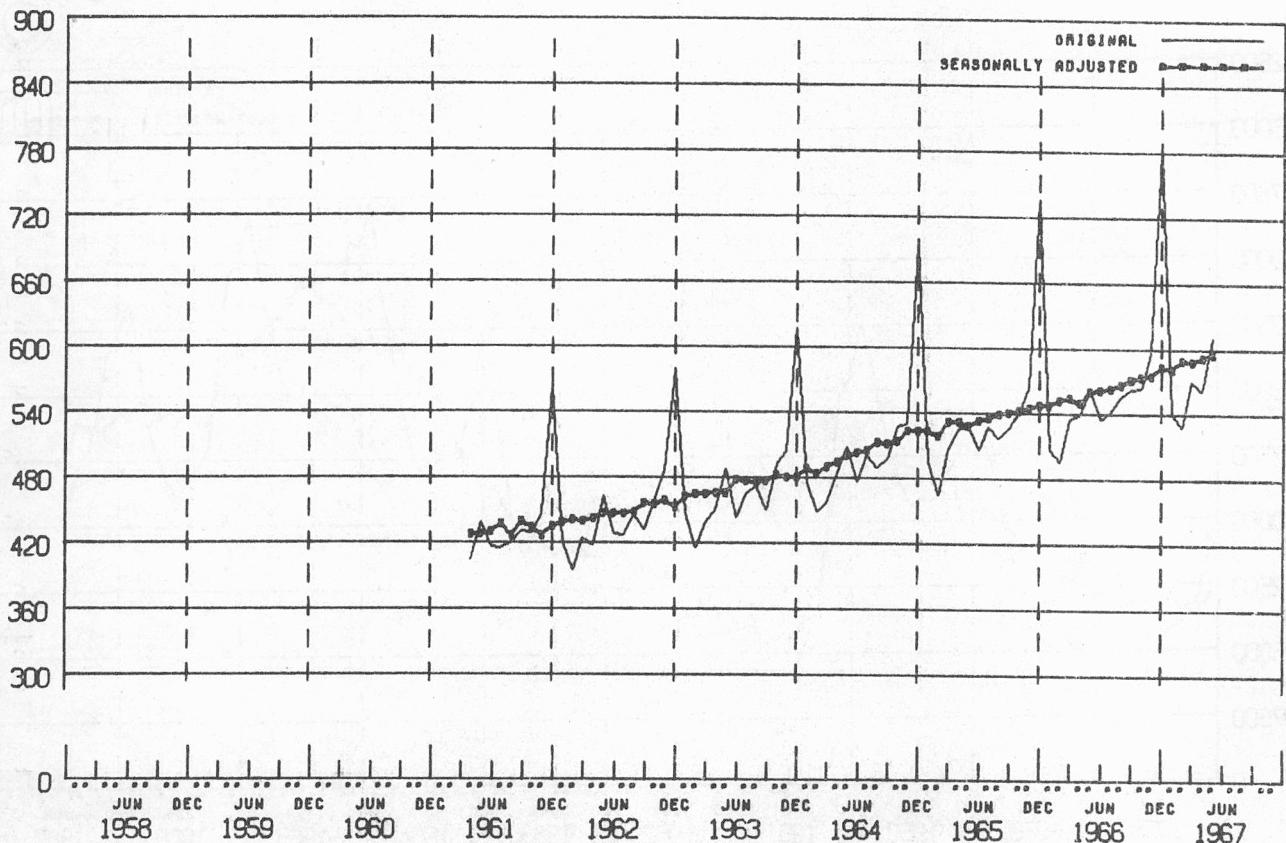
(A) VACANCIES WHICH EMPLOYERS CLAIMED WERE AVAILABLE EITHER IMMEDIATELY OR BY THE END OF FOLLOWING CALENDAR MONTH. GENERALLY AT FRIDAY NEAREST END OF MONTH.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

28.

MONTHLY RETAIL SALES (A)(B) - ALL ITEMS
(EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.)

\$ MILLION



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1961 | | | | 404.7 | 439.3 | 415.9 | 415.4 | 420.5 | 430.8 | 430.0 | 446.9 | 564.1 |
| 1962 | 420.6 | 394.8 | 424.4 | 417.2 | 463.6 | 428.8 | 427.0 | 446.1 | 432.0 | 460.3 | 485.8 | 577.9 |
| 1963 | 447.0 | 415.7 | 438.2 | 450.9 | 487.9 | 443.1 | 464.4 | 472.4 | 449.9 | 493.1 | 504.3 | 617.5 |
| 1964 | 476.1 | 448.2 | 456.8 | 483.5 | 508.9 | 476.3 | 501.6 | 489.8 | 497.4 | 527.5 | 530.7 | 696.0 |
| 1965 | 495.3 | 464.8 | 506.7 | 525.9 | 528.5 | 506.5 | 528.5 | 517.0 | 527.0 | 542.9 | 564.2 | 736.8 |
| 1966 | 507.6 | 495.0 | 534.7 | 539.1 | 562.8 | 535.2 | 541.7 | 555.4 | 563.3 | 563.9 | 597.9 | 782.6 |
| 1967 | 541.6 | 527.9 | 571.6 | 561.9C | 611.2C | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1961 | | | | 429.0 | 428.5 | 430.5 | 437.7 | 427.1 | 441.0 | 434.5 | 427.4 | 435.7 |
| 1962 | 439.1 | 441.8 | 440.1 | 442.7 | 448.0 | 447.7 | 448.0 | 448.4 | 457.3 | 455.6 | 459.3 | 453.3 |
| 1963 | 462.7 | 465.1 | 465.9 | 467.0 | 467.1 | 478.7 | 477.5 | 475.9 | 477.2 | 483.8 | 481.1 | 481.0 |
| 1964 | 489.1 | 484.9 | 490.7 | 496.2 | 501.7 | 503.9 | 506.4 | 514.2 | 512.9 | 514.5 | 524.9 | 524.7 |
| 1965 | 524.8 | 519.8 | 532.5 | 533.1 | 529.5 | 533.6 | 535.9 | 539.5 | 541.8 | 543.7 | 545.5 | 549.0 |
| 1966 | 547.8 | 553.3 | 556.1 | 550.6 | 561.2 | 562.2 | 563.9 | 567.0 | 572.6 | 574.4 | 575.4 | 584.4 |
| 1967 | 582.3 | 589.9 | 588.6 | 593.2C | 596.7C | | | | | | | |

(A) EXCLUDES SALES IN NORTHERN TERRITORY AND AUSTRALIAN CAPITAL TERRITORY.

(B) ORIGINAL FIGURES FROM APRIL 1966 ARE SUBJECT TO REVISION WHEN MORE PRECISE INFORMATION IS AVAILABLE RELATING TO TRADING BY NEW BUSINESSES.

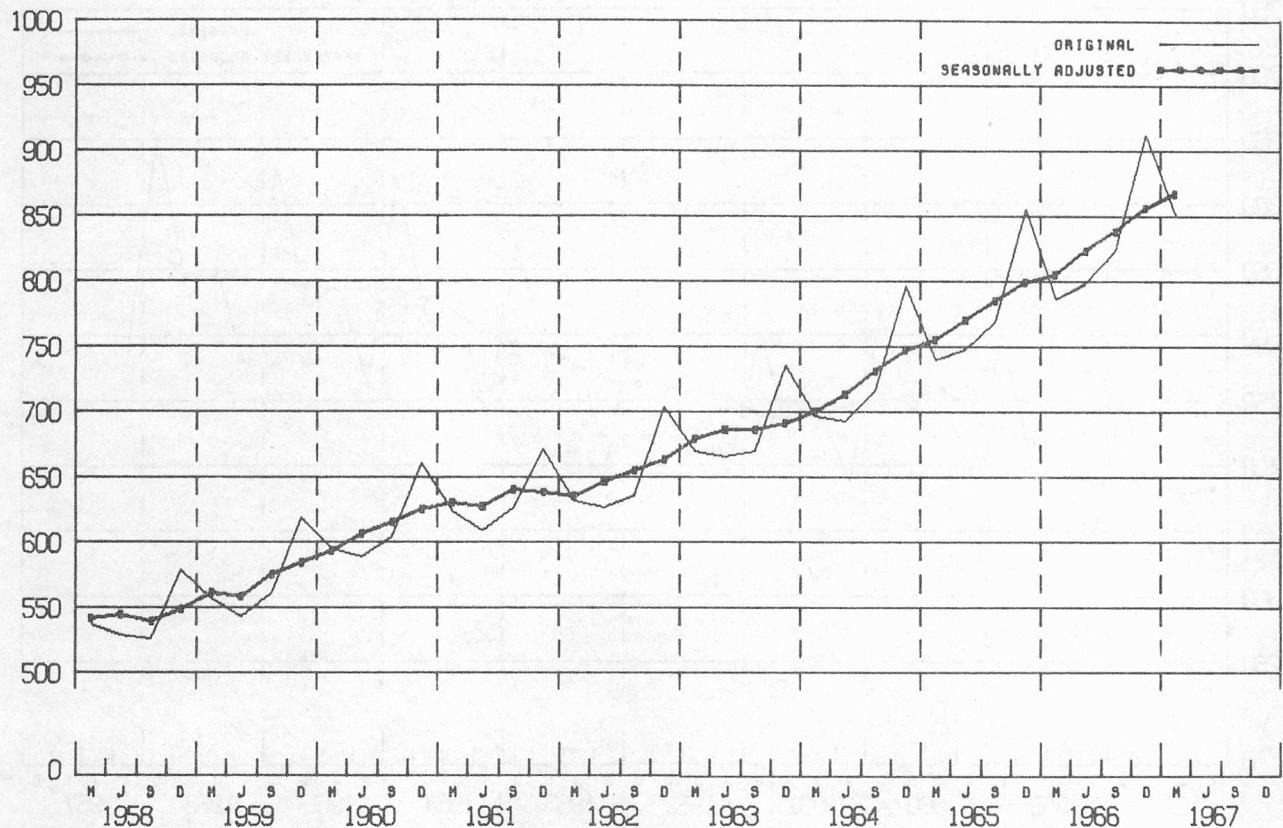
(C) PROVISIONAL ESTIMATE.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

29.

QUARTERLY RETAIL SALES (A)(B) - FOOD AND DRINK

\$ MILLION



QUARTERS ENDED=

| YEAR | MAR | JUN | SEP | DEC |
|---------------------|-------|-------|-------|-------|
| ORIGINAL | | | | |
| 1958 | 537.0 | 529.4 | 526.1 | 578.6 |
| 1959 | 557.3 | 543.3 | 561.4 | 619.4 |
| 1960 | 595.2 | 588.6 | 603.5 | 661.4 |
| 1961 | 624.0 | 609.1 | 625.5 | 672.2 |
| 1962 | 631.7 | 627.0 | 636.4 | 704.0 |
| 1963 | 670.3 | 666.0 | 670.1 | 736.1 |
| 1964 | 697.4 | 692.7 | 715.8 | 797.4 |
| 1965 | 740.4 | 747.6 | 769.2 | 856.1 |
| 1966 | 787.1 | 798.4 | 823.4 | 913.4 |
| 1967 | 851.9 | | | |
| SEASONALLY ADJUSTED | | | | |
| 1958 | 540.9 | 543.6 | 539.0 | 547.7 |
| 1959 | 561.3 | 558.5 | 575.3 | 584.4 |
| 1960 | 593.1 | 605.8 | 615.1 | 624.9 |
| 1961 | 630.1 | 627.3 | 640.1 | 637.9 |
| 1962 | 635.3 | 646.0 | 654.6 | 663.0 |
| 1963 | 679.1 | 686.0 | 685.8 | 690.9 |
| 1964 | 700.4 | 713.5 | 731.3 | 746.7 |
| 1965 | 754.9 | 770.0 | 784.6 | 799.2 |
| 1966 | 804.6 | 822.6 | 838.3 | 856.4 |
| 1967 | 866.9 | | | |

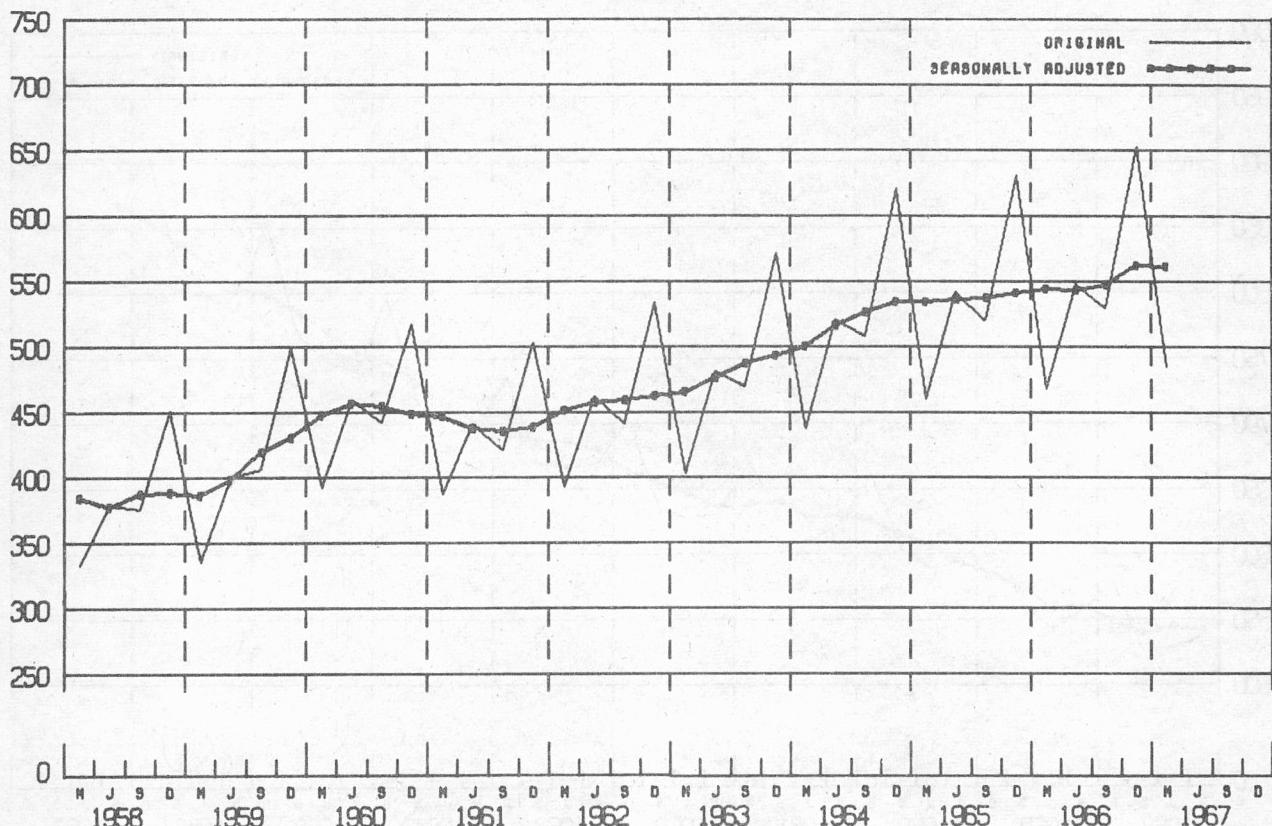
(A) EXCLUDES SALES IN NORTHERN TERRITORY AND AUSTRALIAN CAPITAL TERRITORY.

(B) ORIGINAL FIGURES FROM JUNE QUARTER 1966 ARE SUBJECT TO REVISION WHEN MORE PRECISE INFORMATION IS AVAILABLE RELATING TO TRADING BY NEW BUSINESSES.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

QUARTERLY RETAIL SALES (A)(B) - CLOTHING, HARDWARE, ELECTRICAL AND FURNITURE (C)

\$ MILLION



| YEAR | QUARTERS ENDED- | | |
|------|-----------------|-----|-----|
| | MAR | JUN | SEP |
| | ORIGINAL | | |

| | | | | |
|------|-------|-------|-------|-------|
| 1958 | 332.8 | 378.4 | 375.0 | 450.3 |
| 1959 | 334.8 | 400.4 | 406.1 | 498.7 |
| 1960 | 392.4 | 459.3 | 442.3 | 517.2 |
| 1961 | 387.5 | 441.3 | 421.0 | 502.8 |
| 1962 | 393.2 | 461.8 | 441.1 | 533.9 |
| 1963 | 403.2 | 480.8 | 469.8 | 571.5 |
| 1964 | 437.2 | 521.3 | 508.5 | 620.5 |
| 1965 | 460.4 | 541.7 | 520.2 | 630.6 |
| 1966 | 467.6 | 548.1 | 530.4 | 653.1 |
| 1967 | 484.9 | | | |

SEASONALLY ADJUSTED

| | | | | |
|------|-------|-------|-------|-------|
| 1958 | 383.8 | 377.0 | 386.6 | 388.5 |
| 1959 | 385.7 | 398.4 | 418.8 | 430.2 |
| 1960 | 446.8 | 456.2 | 454.0 | 448.3 |
| 1961 | 446.4 | 437.3 | 434.6 | 438.4 |
| 1962 | 450.7 | 457.0 | 458.5 | 462.4 |
| 1963 | 465.0 | 475.6 | 486.6 | 492.9 |
| 1964 | 499.9 | 515.8 | 526.1 | 533.6 |
| 1965 | 534.4 | 536.3 | 537.5 | 540.6 |
| 1966 | 544.1 | 542.8 | 547.1 | 562.4 |
| 1967 | 561.3 | | | |

(A) EXCLUDES SALES IN NORTHERN TERRITORY AND AUSTRALIAN CAPITAL TERRITORY.

(B) ORIGINAL FIGURES FROM JUNE QUARTER 1966 ARE SUBJECT TO REVISION WHEN MORE PRECISE INFORMATION IS AVAILABLE RELATING TO TRADING BY NEW BUSINESSES.

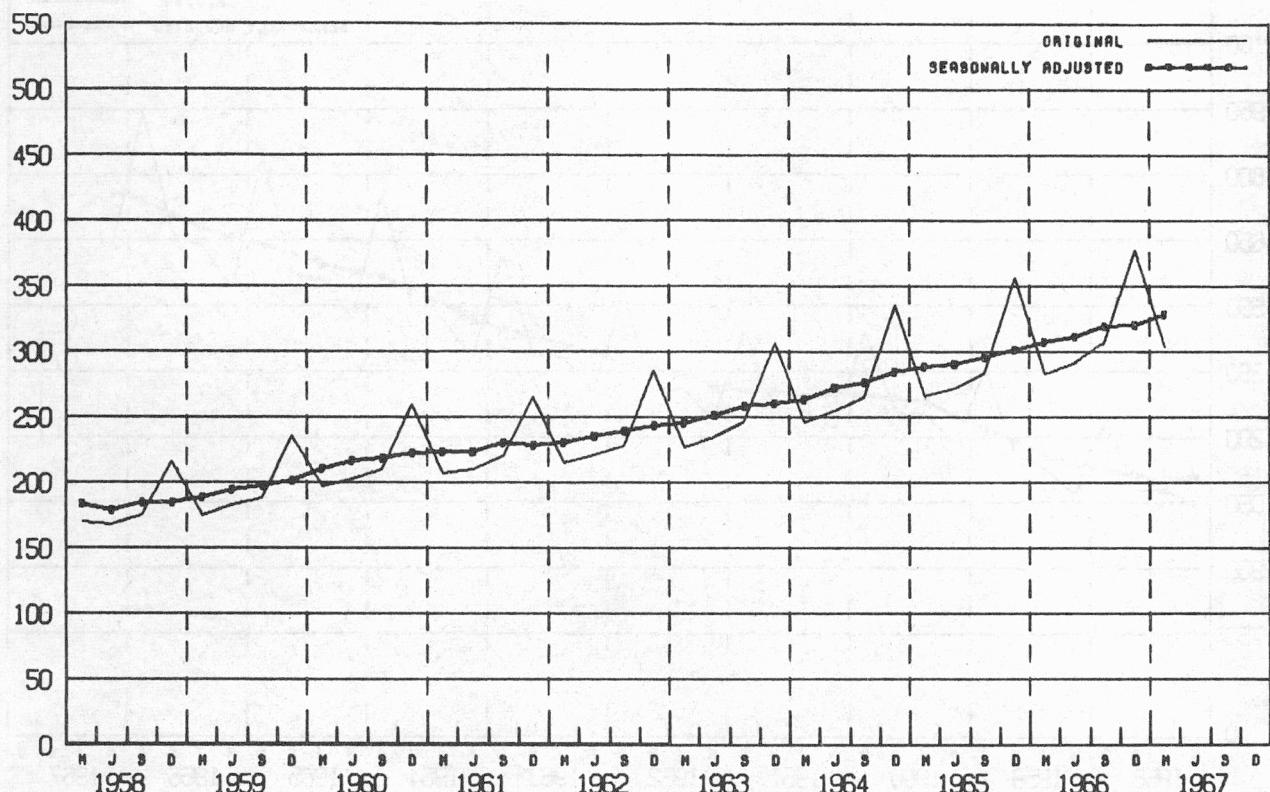
(C) INCLUDES CLOTHING AND DRAPERY; FOOTWEAR; HARDWARE (EXCLUDING BASIC BUILDING MATERIALS AND BUILDERS' HARDWARE SUPPLIES); CHINA AND GLASSWARE; ELECTRICAL GOODS; FURNITURE AND FLOOR COVERINGS.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

31.

QUARTERLY RETAIL SALES (A)(B) - ALL OTHER GOODS (C)
 (EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.)

\$ MILLION



QUARTERS ENDED-

| YEAR | MAR | JUN | SEP | DEC |
|---------------------|-------|-------|-------|-------|
| ORIGINAL | | | | |
| 1958 | 170.2 | 167.6 | 175.2 | 216.2 |
| 1959 | 174.9 | 182.5 | 188.4 | 235.8 |
| 1960 | 197.3 | 202.7 | 209.8 | 260.4 |
| 1961 | 207.3 | 209.5 | 220.2 | 266.0 |
| 1962 | 214.9 | 220.8 | 227.6 | 286.1 |
| 1963 | 227.4 | 235.1 | 246.8 | 307.3 |
| 1964 | 246.5 | 254.7 | 264.5 | 336.3 |
| 1965 | 266.0 | 271.6 | 283.1 | 357.2 |
| 1966 | 282.6 | 290.6 | 306.6 | 377.9 |
| 1967 | 304.3 | | | |
| SEASONALLY ADJUSTED | | | | |
| 1958 | 182.7 | 178.0 | 183.5 | 184.4 |
| 1959 | 187.7 | 193.9 | 197.3 | 200.6 |
| 1960 | 209.6 | 215.5 | 218.4 | 222.0 |
| 1961 | 223.1 | 222.9 | 230.2 | 227.7 |
| 1962 | 230.4 | 235.2 | 239.2 | 243.0 |
| 1963 | 245.4 | 250.8 | 258.0 | 260.1 |
| 1964 | 263.5 | 272.1 | 275.8 | 284.2 |
| 1965 | 288.3 | 290.5 | 294.7 | 301.1 |
| 1966 | 306.7 | 311.0 | 318.6 | 320.1 |
| 1967 | 328.4 | | | |

(A) EXCLUDES SALES IN NORTHERN TERRITORY AND AUSTRALIAN CAPITAL TERRITORY.

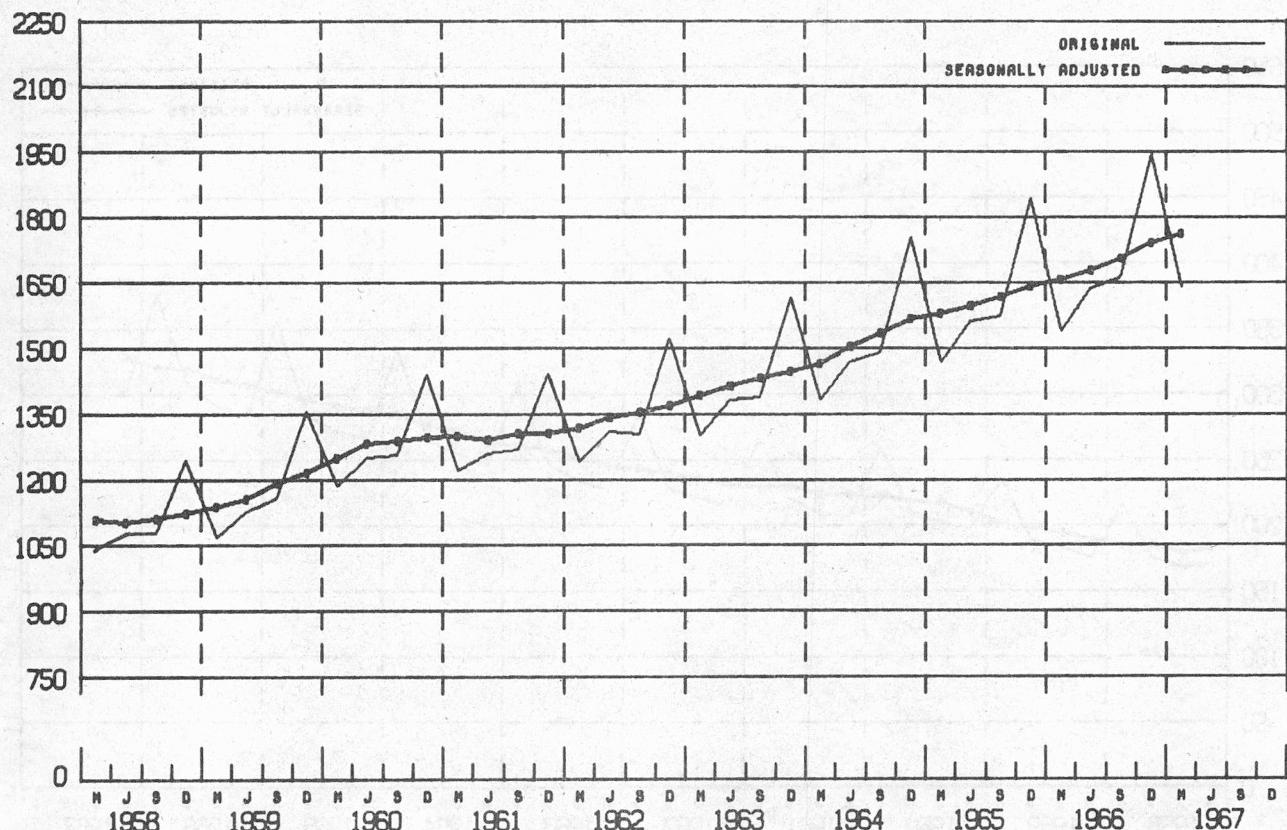
(B) ORIGINAL FIGURES FROM JUNE QUARTER 1966 ARE SUBJECT TO REVISION WHEN MORE PRECISE INFORMATION IS AVAILABLE RELATING TO TRADING BY NEW BUSINESSES.

(C) INCLUDES CHEMISTS' GOODS; NEWSPAPERS, BOOKS AND STATIONERY; TOBACCO, CIGARETTES, ETC.; JEWELLERY, SPORTING GOODS, ETC.; BUT EXCLUDES GRAIN AND PRODUCE AND BUSINESS MACHINES.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

QUARTERLY RETAIL SALES (A)(B) - ALL ITEMS
(EXCLUDING MOTOR VEHICLES, PARTS, PETROL, ETC.)

\$ MILLION



QUARTERS ENDED-

| YEAR | MAR | JUN | SEP | DEC |
|---------------------|--------|--------|--------|--------|
| ORIGINAL | | | | |
| 1958 | 1040.0 | 1075.4 | 1076.3 | 1245.1 |
| 1959 | 1067.0 | 1126.2 | 1155.9 | 1353.9 |
| 1960 | 1184.9 | 1250.6 | 1255.6 | 1439.0 |
| 1961 | 1218.8 | 1259.9 | 1266.7 | 1441.0 |
| 1962 | 1239.8 | 1309.6 | 1305.1 | 1524.0 |
| 1963 | 1300.9 | 1381.9 | 1386.7 | 1614.9 |
| 1964 | 1381.1 | 1468.7 | 1488.8 | 1754.2 |
| 1965 | 1466.8 | 1560.9 | 1572.5 | 1843.9 |
| 1966 | 1537.3 | 1637.1 | 1660.4 | 1944.4 |
| 1967 | 1641.1 | | | |
| SEASONALLY ADJUSTED | | | | |
| 1958 | 1106.5 | 1101.4 | 1108.3 | 1119.6 |
| 1959 | 1135.0 | 1153.0 | 1190.6 | 1215.0 |
| 1960 | 1246.7 | 1279.9 | 1287.0 | 1295.0 |
| 1961 | 1299.0 | 1288.4 | 1304.6 | 1303.4 |
| 1962 | 1315.8 | 1338.6 | 1352.2 | 1368.5 |
| 1963 | 1390.0 | 1412.2 | 1430.4 | 1444.9 |
| 1964 | 1462.6 | 1501.5 | 1533.2 | 1565.7 |
| 1965 | 1576.8 | 1596.2 | 1617.0 | 1640.8 |
| 1966 | 1656.5 | 1674.7 | 1704.3 | 1737.9 |
| 1967 | 1759.8 | | | |

(A) EXCLUDES SALES IN NORTHERN TERRITORY AND AUSTRALIAN CAPITAL TERRITORY.

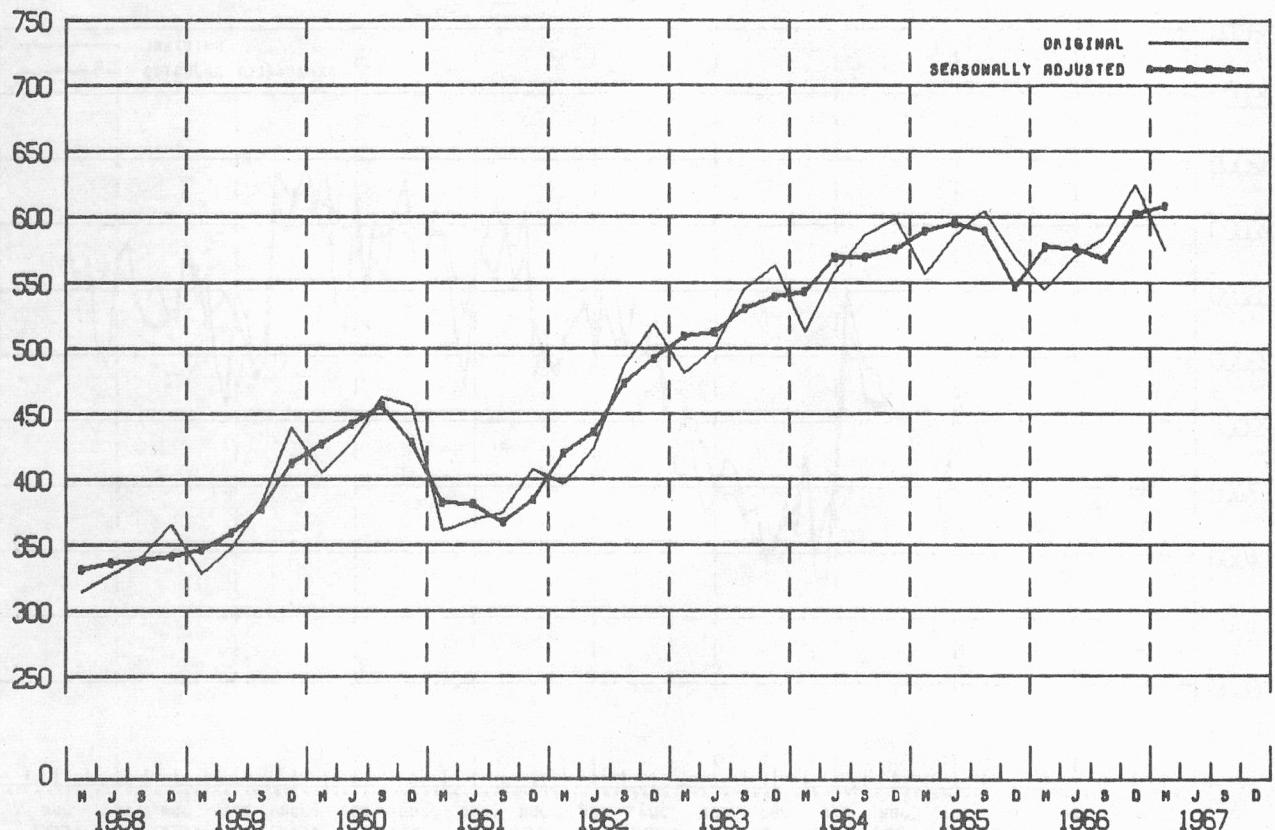
(B) ORIGINAL FIGURES FROM JUNE QUARTER 1966 ARE SUBJECT TO REVISION WHEN MORE PRECISE INFORMATION IS AVAILABLE RELATING TO TRADING BY NEW BUSINESSES.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

33.

QUARTERLY RETAIL SALES (A)(B) - MOTOR VEHICLES, PARTS, PETROL ETC.

\$ MILLION



QUARTERS ENDED-

YEAR MAR JUN SEP DEC

ORIGINAL

| | | | | |
|------|-------|-------|-------|-------|
| 1958 | 314.4 | 326.8 | 340.4 | 365.2 |
| 1959 | 328.2 | 348.1 | 381.7 | 440.2 |
| 1960 | 404.6 | 428.2 | 463.2 | 456.1 |
| 1961 | 361.4 | 369.0 | 374.9 | 407.8 |
| 1962 | 397.0 | 423.5 | 485.6 | 518.8 |
| 1963 | 481.5 | 499.7 | 544.9 | 564.0 |
| 1964 | 513.4 | 557.9 | 585.7 | 599.0 |
| 1965 | 557.2 | 585.9 | 605.2 | 569.1 |
| 1966 | 545.2 | 569.7 | 583.7 | 625.1 |
| 1967 | 575.0 | | | |

SEASONALLY ADJUSTED

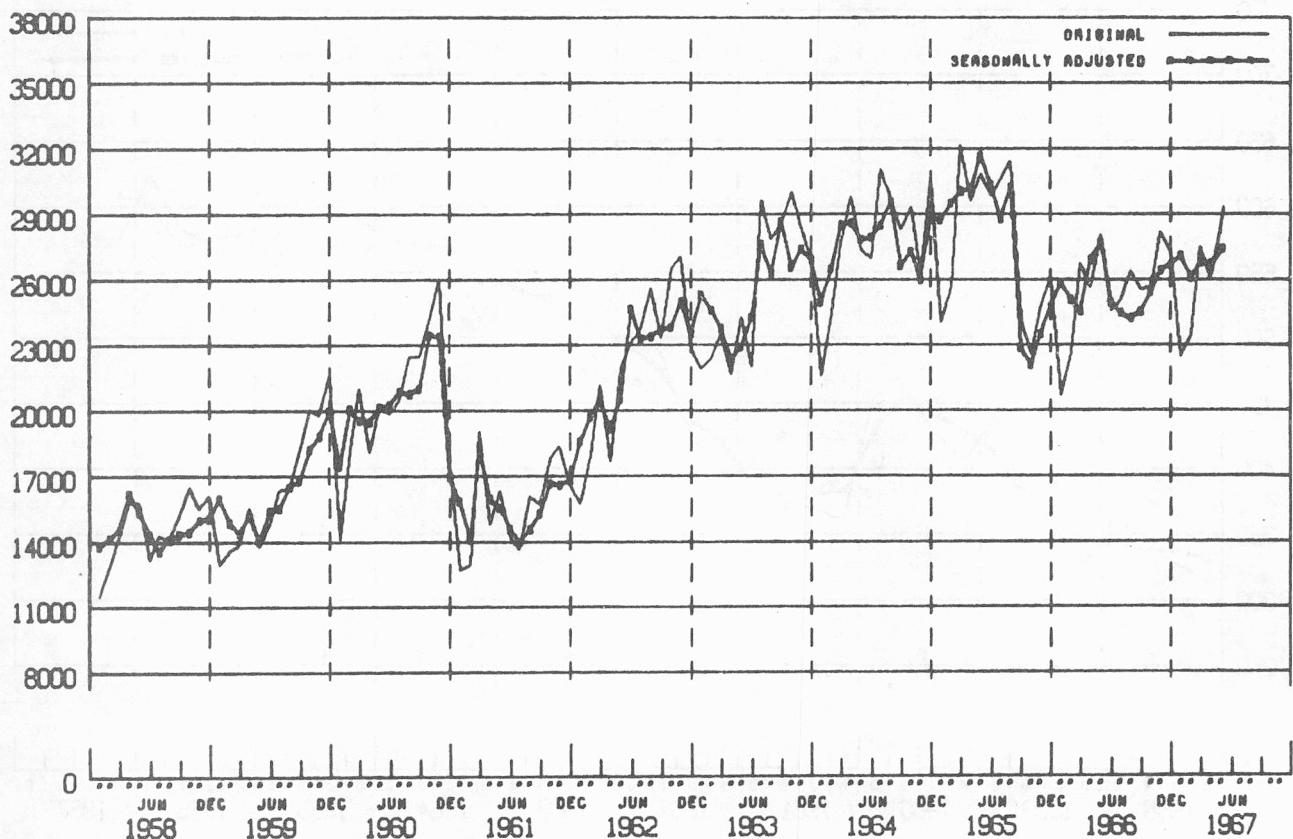
| | | | | |
|------|-------|-------|-------|-------|
| 1958 | 330.6 | 335.8 | 338.2 | 341.1 |
| 1959 | 345.7 | 358.5 | 377.4 | 411.7 |
| 1960 | 426.9 | 441.8 | 455.6 | 427.7 |
| 1961 | 381.9 | 380.9 | 366.5 | 384.9 |
| 1962 | 420.0 | 435.7 | 473.1 | 492.4 |
| 1963 | 509.4 | 511.8 | 529.8 | 538.7 |
| 1964 | 542.9 | 568.5 | 569.4 | 574.5 |
| 1965 | 589.4 | 594.6 | 588.6 | 547.2 |
| 1966 | 577.1 | 576.4 | 568.2 | 601.7 |
| 1967 | 608.3 | | | |

(A) EXCLUDES SALES IN NORTHERN TERRITORY AND AUSTRALIAN CAPITAL TERRITORY.

(B) ORIGINAL FIGURES FROM JUNE QUARTER 1966 ARE SUBJECT TO REVISION WHEN MORE PRECISE INFORMATION IS AVAILABLE RELATING TO TRADING BY NEW BUSINESSES.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

NEW MOTOR VEHICLES REGISTERED (A) - CARS AND STATION WAGONS



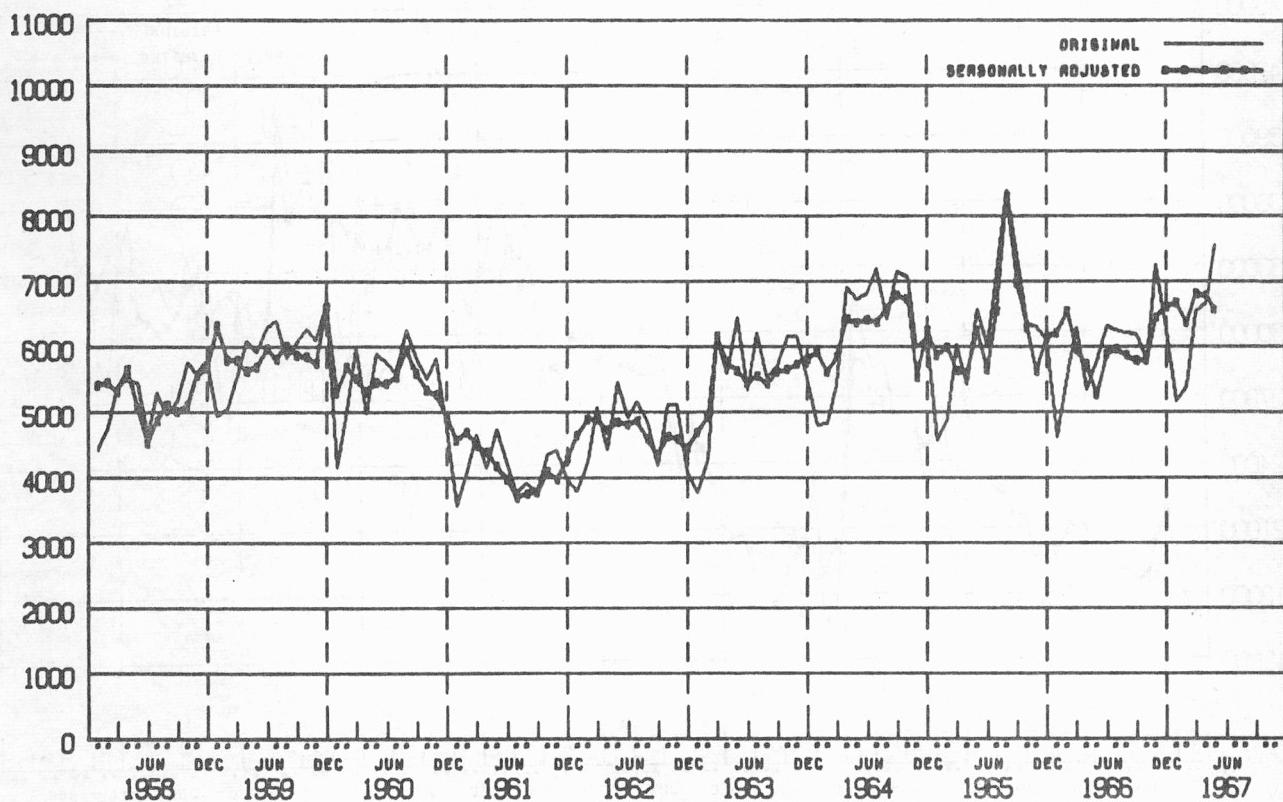
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 11495 | 12845 | 14178 | 15775 | 15775 | 13174 | 14286 | 14140 | 15223 | 16528 | 15526 | 16126 |
| 1959 | 12942 | 13574 | 13804 | 15540 | 13759 | 14866 | 16357 | 16462 | 18179 | 20060 | 19800 | 21646 |
| 1960 | 14132 | 18213 | 21034 | 18081 | 20192 | 19899 | 20399 | 22465 | 22463 | 24266 | 26067 | 17607 |
| 1961 | 12704 | 12905 | 19013 | 14755 | 16342 | 14156 | 13620 | 16096 | 15735 | 17848 | 18383 | 16575 |
| 1962 | 15759 | 17988 | 21212 | 17665 | 21908 | 23137 | 23703 | 25624 | 23317 | 26547 | 27086 | 22843 |
| 1963 | 21926 | 22381 | 23564 | 21612 | 24336 | 21987 | 29675 | 27858 | 28586 | 30034 | 28471 | 26950 |
| 1964 | 21572 | 24417 | 27595 | 29858 | 27370 | 26952 | 31083 | 29719 | 28253 | 29367 | 26247 | 30630 |
| 1965 | 23993 | 25659 | 32178 | 29614 | 30879 | 29868 | 30546 | 31479 | 24145 | 22595 | 24686 | 26109 |
| 1966 | 20643 | 22668 | 26804 | 25660 | 28077 | 24567 | 24981 | 26442 | 25563 | 25619 | 28217 | 27238 |
| 1967 | 22472 | 23466 | 27535 | 26070 | 29146P | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 13830 | 14156 | 14588 | 16240 | 15355 | 14345 | 13573 | 14134 | 14338 | 14462 | 15025 | 15086 |
| 1959 | 16001 | 14895 | 14436 | 15183 | 14075 | 15458 | 15586 | 16534 | 16821 | 18280 | 18877 | 19996 |
| 1960 | 17452 | 20097 | 19598 | 19503 | 20161 | 20304 | 20903 | 20769 | 21019 | 23469 | 23436 | 17015 |
| 1961 | 15838 | 14141 | 18295 | 15991 | 15589 | 14586 | 13996 | 14588 | 15338 | 16722 | 16662 | 16825 |
| 1962 | 18625 | 19740 | 20556 | 19248 | 20525 | 24651 | 23304 | 23401 | 23735 | 23843 | 25012 | 23517 |
| 1963 | 25317 | 24619 | 23782 | 22389 | 22954 | 24332 | 27663 | 26321 | 28719 | 26618 | 27410 | 26931 |
| 1964 | 24962 | 26532 | 28516 | 28665 | 27870 | 27989 | 28504 | 29621 | 26684 | 27299 | 25986 | 28861 |
| 1965 | 28748 | 29524 | 30063 | 30193 | 31673 | 30375 | 28813 | 30251 | 22886 | 22116 | 23516 | 24805 |
| 1966 | 25874 | 25126 | 24588 | 26946 | 27741 | 24953 | 24522 | 24261 | 24552 | 25470 | 26507 | 26696 |
| 1967 | 27148 | 26099 | 26822 | 26750 | 27512P | | | | | | | |

(A) SEE EXPLANATORY NOTES.

(P) PRELIMINARY ESTIMATE.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

NEW MOTOR VEHICLES REGISTERED (A) - OTHER THAN CARS AND STATION WAGONS (B)



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|------|------|------|------|-------|------|------|------|------|------|------|------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 4430 | 4753 | 5383 | 5493 | 5461 | 4612 | 5291 | 4954 | 5161 | 5750 | 5603 | 5783 |
| 1959 | 4943 | 5049 | 5490 | 6092 | 5924 | 6296 | 6400 | 5820 | 6067 | 6281 | 6110 | 6637 |
| 1960 | 4140 | 5017 | 5980 | 4973 | 5900 | 5755 | 5604 | 6253 | 5811 | 5505 | 5824 | 4779 |
| 1961 | 3556 | 4090 | 4657 | 4132 | 4741 | 4217 | 3751 | 3924 | 3790 | 4362 | 4413 | 3975 |
| 1962 | 3775 | 4240 | 5077 | 4428 | 5465 | 4921 | 5168 | 4874 | 4177 | 5123 | 5122 | 4087 |
| 1963 | 3761 | 4266 | 6138 | 5583 | 6446 | 5312 | 6223 | 5512 | 5698 | 6157 | 6157 | 5530 |
| 1964 | 4798 | 4813 | 5417 | 6918 | 6727 | 6826 | 7203 | 6422 | 7169 | 7073 | 5983 | 6143 |
| 1965 | 4561 | 4905 | 6030 | 5422 | 6580 | 6021 | 7104 | 8402 | 7409 | 6335 | 6312 | 6109 |
| 1966 | 4630 | 5546 | 6297 | 5340 | 5776 | 6314 | 6269 | 6219 | 6195 | 5791 | 7253 | 6261 |
| 1967 | 5167 | 5370 | 6531 | 6665 | 7542P | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 5413 | 5453 | 5313 | 5663 | 5078 | 4537 | 4881 | 5117 | 5011 | 5124 | 5589 | 5673 |
| 1959 | 6332 | 5800 | 5798 | 5645 | 5701 | 5970 | 5824 | 6029 | 5887 | 5853 | 5760 | 6623 |
| 1960 | 5307 | 5704 | 5515 | 5314 | 5455 | 5438 | 5537 | 5954 | 5596 | 5347 | 5283 | 4968 |
| 1961 | 4580 | 4709 | 4492 | 4404 | 4184 | 3971 | 3698 | 3757 | 3779 | 4105 | 3978 | 4306 |
| 1962 | 4663 | 4894 | 4909 | 4744 | 4854 | 4811 | 4871 | 4596 | 4354 | 4641 | 4596 | 4457 |
| 1963 | 4696 | 4950 | 6178 | 5784 | 5643 | 5453 | 5569 | 5449 | 5616 | 5655 | 5731 | 5825 |
| 1964 | 5922 | 5625 | 5865 | 6436 | 6389 | 6415 | 6389 | 6601 | 6796 | 6746 | 5549 | 6266 |
| 1965 | 5888 | 6006 | 5641 | 5595 | 6252 | 5650 | 6568 | 8316 | 6989 | 6297 | 5635 | 6161 |
| 1966 | 6224 | 6563 | 5968 | 5737 | 5281 | 5905 | 5985 | 5882 | 5808 | 5803 | 6459 | 6615 |
| 1967 | 6679 | 6382 | 6811 | 6791 | 6596P | | | | | | | |

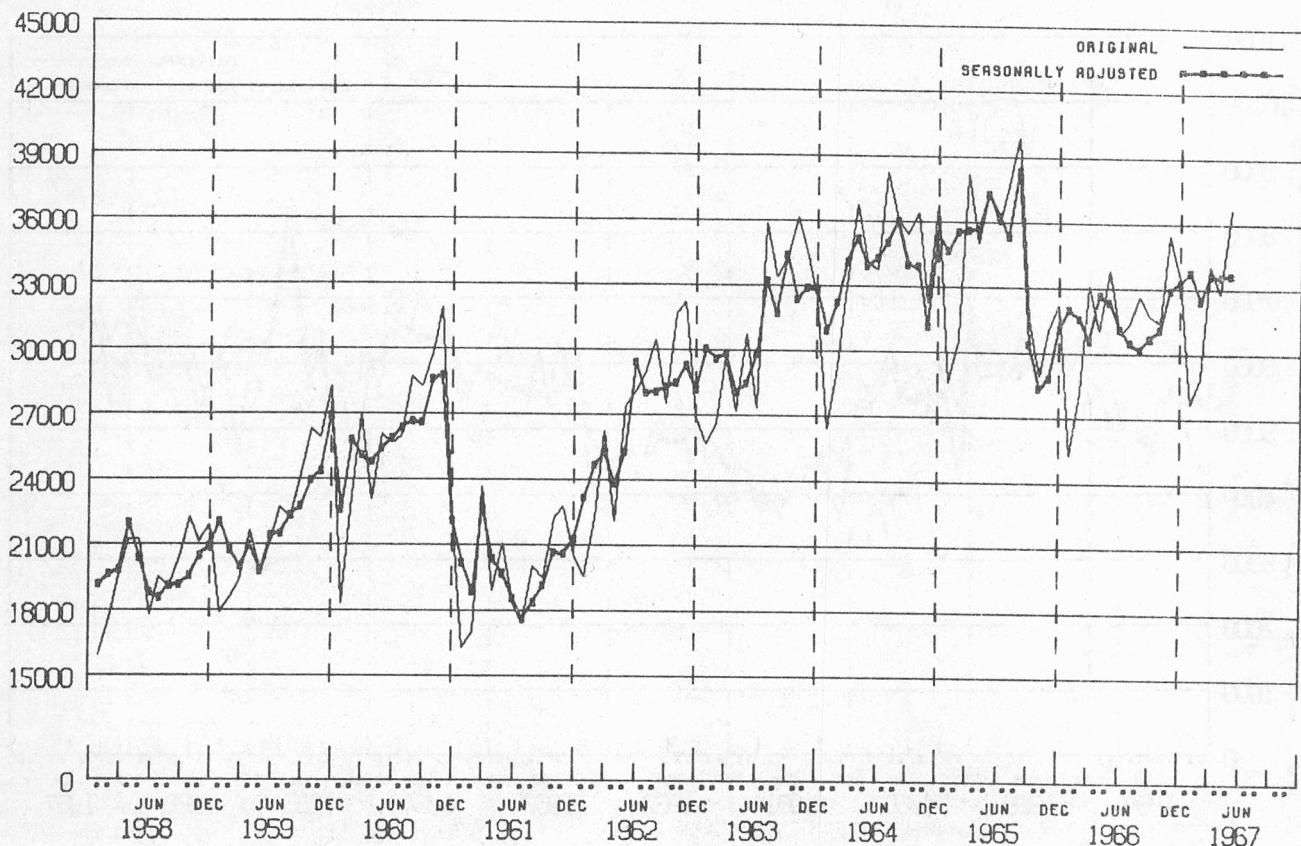
(A) SEE EXPLANATORY NOTES.

(B) EXCLUDING MOTOR CYCLES, TRACTORS, ETC.

(P) PRELIMINARY ESTIMATE.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

NEW MOTOR VEHICLES REGISTERED (A) = TOTAL (R)



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 15925 | 17598 | 19561 | 21268 | 21236 | 17786 | 19577 | 19094 | 20384 | 22278 | 21129 | 21909 |
| 1959 | 17885 | 18623 | 19294 | 21632 | 19683 | 21162 | 22757 | 22282 | 24246 | 26341 | 25910 | 28283 |
| 1960 | 18272 | 23230 | 27014 | 23054 | 26092 | 25654 | 26003 | 28718 | 28274 | 29771 | 31891 | 22386 |
| 1961 | 16260 | 16995 | 23670 | 18887 | 21083 | 18373 | 17371 | 20020 | 19525 | 22210 | 22796 | 20550 |
| 1962 | 19534 | 22228 | 26289 | 22093 | 27373 | 28058 | 28871 | 30498 | 27494 | 31670 | 32208 | 26930 |
| 1963 | 25687 | 26647 | 29702 | 27195 | 30782 | 27299 | 35898 | 33370 | 34284 | 36191 | 34628 | 32480 |
| 1964 | 26370 | 29230 | 33012 | 36776 | 34097 | 33778 | 38286 | 36141 | 35422 | 36440 | 32230 | 36773 |
| 1965 | 28554 | 30564 | 38208 | 35036 | 37459 | 35889 | 37650 | 39881 | 31554 | 28930 | 30998 | 32218 |
| 1966 | 25273 | 28214 | 33101 | 31000 | 33853 | 30881 | 31250 | 32661 | 31758 | 31410 | 35470 | 33499 |
| 1967 | 27639 | 28836 | 34066 | 32735 | 3668P | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 19175 | 19695 | 19846 | 22037 | 20382 | 18861 | 18574 | 19158 | 19229 | 19606 | 20532 | 20930 |
| 1959 | 22085 | 20764 | 20053 | 21008 | 19828 | 21507 | 21544 | 22397 | 22812 | 24020 | 24442 | 26914 |
| 1960 | 22592 | 25839 | 25121 | 24814 | 25460 | 25945 | 26408 | 26708 | 26632 | 28639 | 28780 | 22121 |
| 1961 | 20198 | 18890 | 22776 | 20421 | 19756 | 18596 | 17614 | 18394 | 19213 | 20683 | 20642 | 21315 |
| 1962 | 23218 | 24711 | 25323 | 23894 | 25340 | 29465 | 27999 | 28092 | 28348 | 28472 | 29368 | 28172 |
| 1963 | 30121 | 29647 | 29857 | 28058 | 28501 | 29873 | 33269 | 31721 | 34460 | 32378 | 32938 | 32856 |
| 1964 | 30945 | 32261 | 34135 | 35235 | 33931 | 34343 | 35050 | 36088 | 34046 | 33931 | 31179 | 35483 |
| 1965 | 34709 | 35592 | 35639 | 35715 | 37306 | 36290 | 35347 | 38374 | 30405 | 28365 | 28833 | 31126 |
| 1966 | 32061 | 31644 | 30572 | 32711 | 32400 | 31153 | 30521 | 30225 | 30712 | 31124 | 32943 | 33283 |
| 1967 | 33791 | 32445 | 33634 | 33594 | 33631P | | | | | | | |

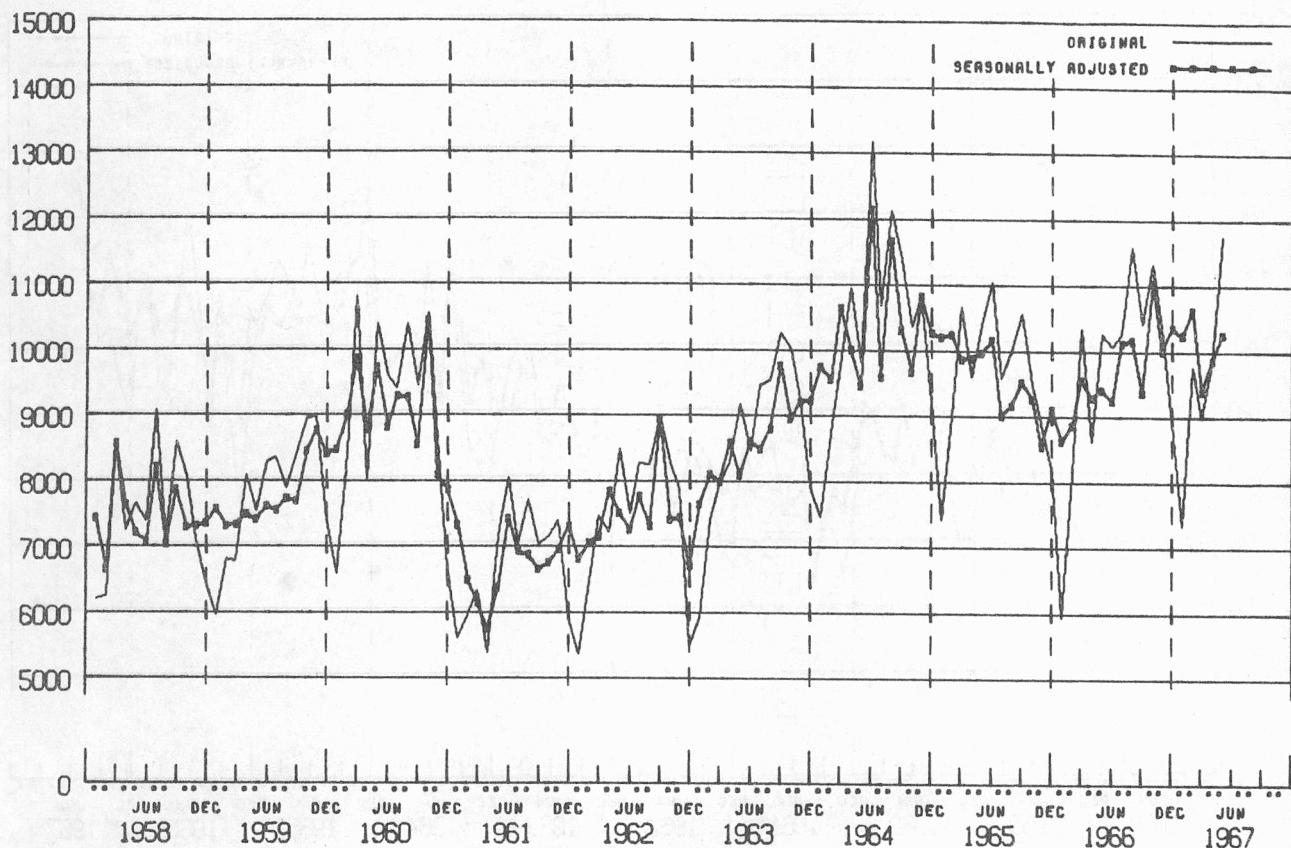
(A) SEE EXPLANATORY NOTES.

(B) EXCLUDING MOTOR CYCLES, TRACTORS, ETC.

(P) PRELIMINARY ESTIMATE.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

NEW HOUSES AND FLATS APPROVED - NUMBER



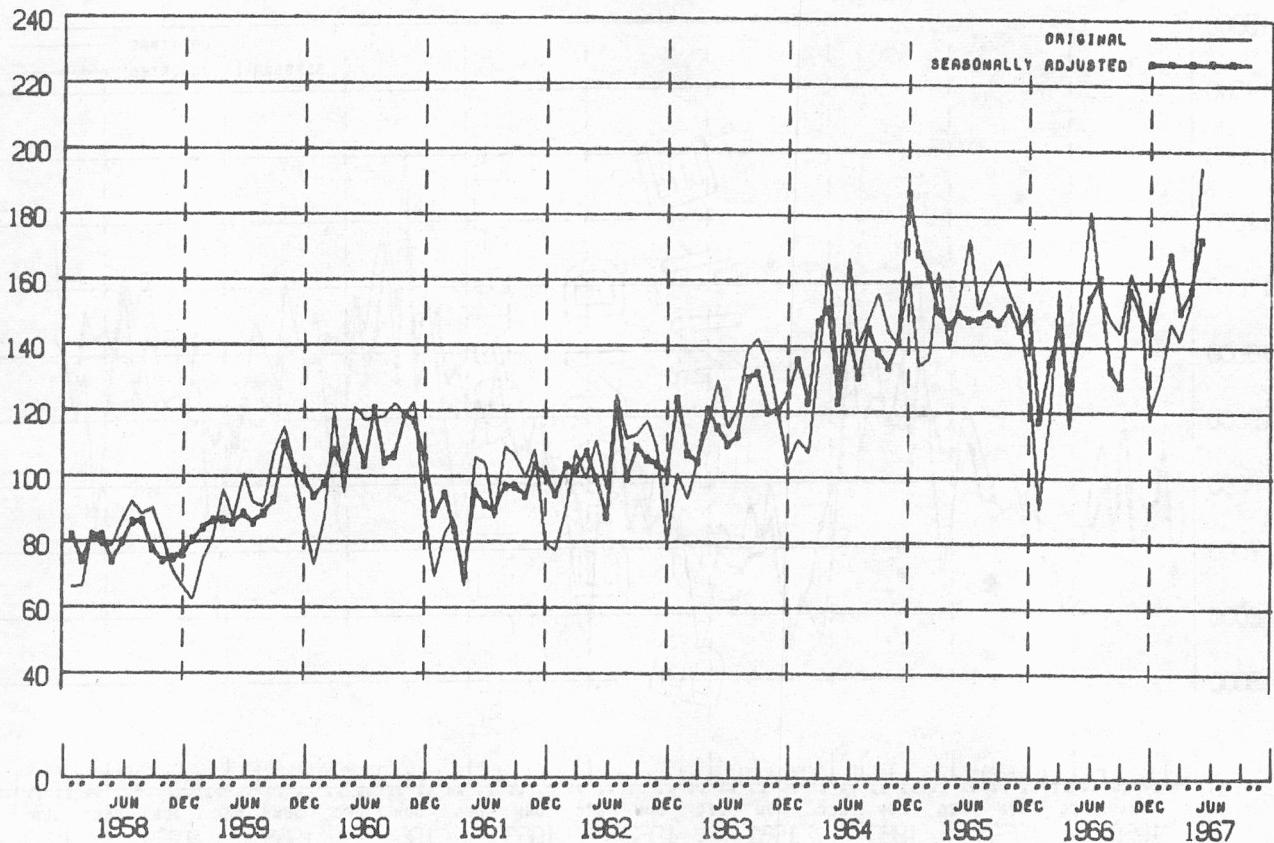
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 6195 | 6239 | 8593 | 7231 | 7667 | 7372 | 9078 | 7127 | 8594 | 8087 | 7129 | 6450 |
| 1959 | 5960 | 6814 | 6790 | 8096 | 7541 | 8303 | 8368 | 7875 | 8429 | 8951 | 8978 | 7392 |
| 1960 | 6583 | 8423 | 10817 | 8018 | 10404 | 9599 | 9391 | 10396 | 9435 | 10569 | 8662 | 6654 |
| 1961 | 5600 | 5969 | 6341 | 5371 | 7166 | 8062 | 7015 | 7725 | 7023 | 7165 | 7408 | 5928 |
| 1962 | 5359 | 6472 | 7479 | 7224 | 8495 | 7498 | 8273 | 8258 | 8985 | 8276 | 7884 | 5474 |
| 1963 | 5925 | 7417 | 7947 | 8297 | 9186 | 8467 | 9465 | 9541 | 10284 | 10022 | 9256 | 7929 |
| 1964 | 7467 | 8748 | 9752 | 10959 | 9826 | 13175 | 10681 | 12146 | 11395 | 10359 | 10814 | 9247 |
| 1965 | 7412 | 9022 | 10670 | 9596 | 10391 | 11058 | 9588 | 10004 | 10571 | 9498 | 8899 | 8212 |
| 1966 | 5933 | 8148 | 10354 | 8615 | 10279 | 10083 | 10253 | 11603 | 10421 | 11339 | 10377 | 8921 |
| 1967 | 7349 | 9775 | 8981 | 9845 | 11760 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 7449 | 6669 | 8573 | 7647 | 7223 | 7072 | 8228 | 7045 | 7872 | 7302 | 7311 | 7363 |
| 1959 | 7584 | 7324 | 7339 | 7501 | 7424 | 7625 | 7567 | 7747 | 7691 | 8462 | 8777 | 8420 |
| 1960 | 8486 | 9027 | 9886 | 8781 | 9742 | 8826 | 9302 | 9289 | 8568 | 10470 | 8104 | 7888 |
| 1961 | 7330 | 6495 | 6155 | 5768 | 6387 | 7434 | 6934 | 6871 | 6667 | 6756 | 6961 | 7318 |
| 1962 | 6820 | 7066 | 7167 | 7860 | 7524 | 7255 | 7788 | 7313 | 8967 | 7421 | 7453 | 6714 |
| 1963 | 7663 | 8115 | 7998 | 8608 | 8093 | 8613 | 8502 | 8791 | 9783 | 8955 | 9223 | 9239 |
| 1964 | 9767 | 9567 | 10666 | 10013 | 9450 | 12156 | 9594 | 11684 | 10329 | 9674 | 10834 | 10277 |
| 1965 | 10227 | 10269 | 9870 | 9908 | 9987 | 10182 | 9020 | 9180 | 9539 | 9282 | 8558 | 9127 |
| 1966 | 8636 | 8882 | 9578 | 9308 | 9425 | 9257 | 10147 | 10174 | 9385 | 11055 | 10014 | 10372 |
| 1967 | 10251 | 10633 | 9398 | 9881 | 10279 | | | | | | | |

BUILDING APPROVALS ARE AFFECTED BY LARGE PROJECTS SUCH AS BLOCKS OF FLATS AND GOVERNMENT GROUP CONTRACTS APPROVED IN PARTICULAR MONTHS.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

TOTAL BUILDINGS APPROVED - VALUE

\$ MILLION



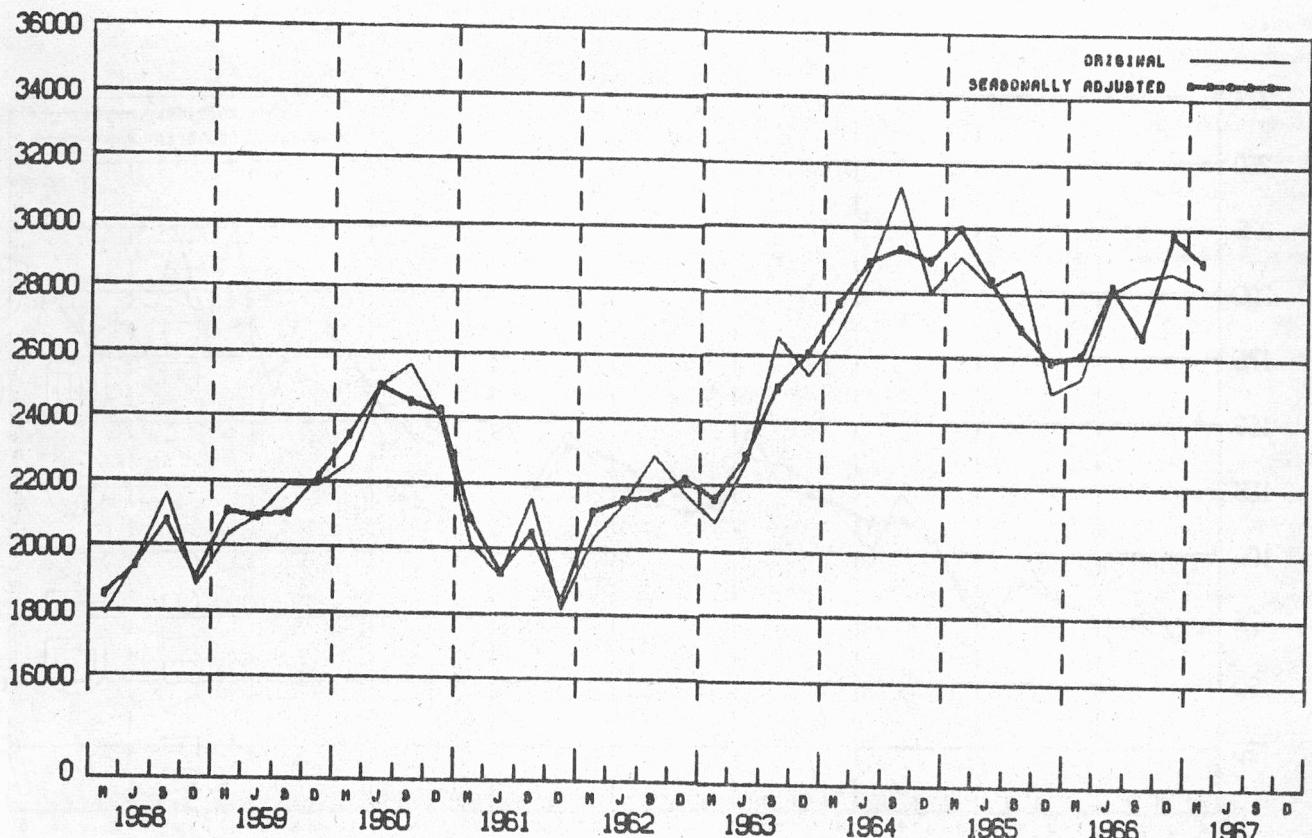
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 65.9 | 66.6 | 83.4 | 78.7 | 79.0 | 86.8 | 92.4 | 88.3 | 90.1 | 81.0 | 71.5 | 66.6 |
| 1959 | 62.3 | 75.1 | 80.6 | 95.9 | 87.1 | 100.7 | 92.1 | 90.7 | 107.3 | 115.0 | 102.7 | 86.7 |
| 1960 | 72.6 | 87.0 | 119.9 | 94.8 | 121.2 | 117.4 | 117.8 | 118.2 | 122.6 | 119.0 | 122.7 | 88.5 |
| 1961 | 69.1 | 82.8 | 87.2 | 66.4 | 106.1 | 103.9 | 87.4 | 109.2 | 106.4 | 99.5 | 108.4 | 80.0 |
| 1962 | 77.3 | 90.3 | 107.8 | 99.0 | 111.3 | 96.0 | 125.1 | 111.6 | 112.9 | 117.3 | 109.2 | 80.6 |
| 1963 | 101.3 | 93.4 | 104.9 | 115.5 | 129.6 | 114.8 | 120.9 | 138.8 | 142.5 | 134.6 | 120.6 | 103.8 |
| 1964 | 111.7 | 107.6 | 133.5 | 165.4 | 126.9 | 167.1 | 139.8 | 147.9 | 156.3 | 144.3 | 140.7 | 162.0 |
| 1965 | 133.8 | 136.3 | 163.3 | 139.4 | 154.5 | 173.0 | 151.6 | 160.5 | 166.8 | 156.7 | 150.2 | 130.4 |
| 1966 | 90.2 | 118.5 | 158.1 | 115.3 | 154.4 | 182.1 | 157.2 | 148.6 | 144.5 | 162.9 | 155.0 | 119.6 |
| 1967 | 129.0 | 147.7 | 142.4 | 153.6 | 195.1 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 81.9 | 74.4 | 82.0 | 82.1 | 74.4 | 80.2 | 86.0 | 86.5 | 78.0 | 74.2 | 75.4 | 76.4 |
| 1959 | 81.0 | 84.5 | 86.9 | 86.7 | 85.9 | 88.9 | 86.0 | 88.7 | 92.8 | 110.0 | 102.9 | 99.7 |
| 1960 | 94.0 | 98.0 | 108.2 | 102.3 | 114.1 | 103.8 | 120.9 | 105.0 | 106.3 | 119.0 | 117.3 | 106.2 |
| 1961 | 88.9 | 94.9 | 84.1 | 70.2 | 95.5 | 91.4 | 89.6 | 97.1 | 97.4 | 94.4 | 103.4 | 100.6 |
| 1962 | 94.7 | 103.6 | 102.3 | 107.6 | 99.7 | 88.0 | 122.4 | 99.7 | 109.1 | 105.5 | 104.0 | 101.5 |
| 1963 | 124.0 | 107.2 | 104.9 | 120.6 | 115.3 | 109.9 | 112.8 | 130.3 | 131.9 | 120.0 | 120.5 | 125.3 |
| 1964 | 135.8 | 123.0 | 147.5 | 151.5 | 123.2 | 144.4 | 130.8 | 145.5 | 138.3 | 134.1 | 141.4 | 187.3 |
| 1965 | 168.7 | 162.3 | 151.1 | 146.7 | 150.3 | 148.5 | 148.4 | 150.4 | 147.7 | 152.3 | 145.5 | 151.2 |
| 1966 | 117.4 | 135.4 | 146.5 | 127.7 | 143.6 | 155.4 | 161.1 | 133.2 | 128.6 | 157.8 | 151.0 | 145.1 |
| 1967 | 158.8 | 168.6 | 151.1 | 157.4 | 173.3 | | | | | | | |

BUILDING APPROVALS ARE AFFECTED BY LARGE PROJECTS SUCH AS MULTI-STORY OFFICE BUILDINGS APPROVED IN PARTICULAR MONTHS.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

39.

NEW HOUSES AND FLATS COMMENCED - NUMBER



| YEAR | QUARTERS ENDED- | | | |
|------|-----------------|-------|-------|-------|
| | MAR | JUN | SEP | DEC |
| | ORIGINAL | | | |
| 1958 | 17886 | 19493 | 21597 | 18782 |
| 1959 | 20350 | 20958 | 21918 | 21900 |
| 1960 | 22569 | 24957 | 25638 | 23926 |
| 1961 | 20136 | 19189 | 21547 | 18172 |
| 1962 | 20348 | 21403 | 22902 | 21769 |
| 1963 | 20849 | 22749 | 26608 | 25413 |
| 1964 | 26807 | 28752 | 31312 | 28032 |
| 1965 | 29131 | 28234 | 28741 | 24954 |
| 1966 | 25401 | 28108 | 28529 | 28675 |
| 1967 | 28276P | | | |

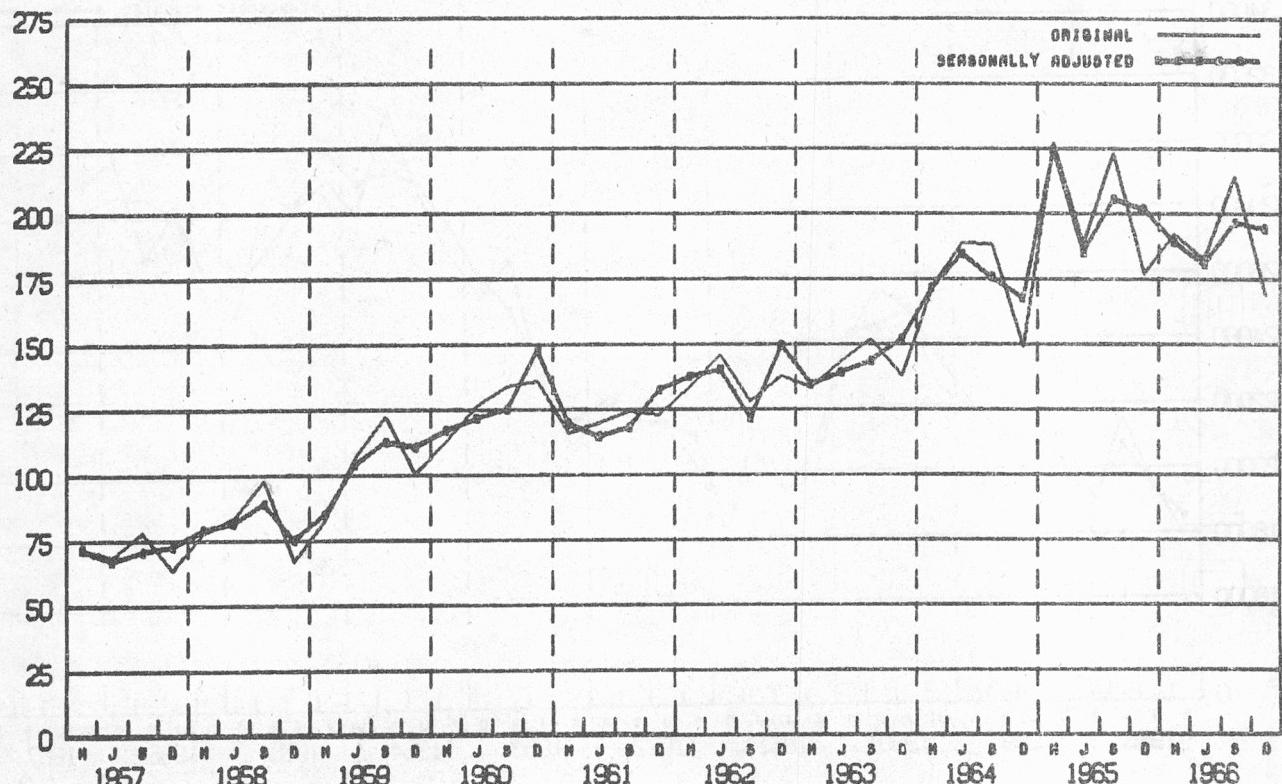
SEASONALLY ADJUSTED

| | | | | |
|------|--------|-------|-------|-------|
| 1958 | 18483 | 19387 | 20760 | 19026 |
| 1959 | 21044 | 20889 | 21017 | 22138 |
| 1960 | 23402 | 24951 | 24477 | 24181 |
| 1961 | 20912 | 19240 | 20478 | 18395 |
| 1962 | 21138 | 21515 | 21630 | 22191 |
| 1963 | 21592 | 22891 | 25016 | 26093 |
| 1964 | 27677 | 28938 | 29332 | 28983 |
| 1965 | 29992 | 28382 | 26898 | 25895 |
| 1966 | 26112 | 28236 | 26680 | 29839 |
| 1967 | 28999P | | | |

(P) PRELIMINARY ESTIMATE.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

NEW BUILDINGS, OTHER THAN NEW HOUSES AND FLATS, COMMENCED - VALUE
\$ MILLION



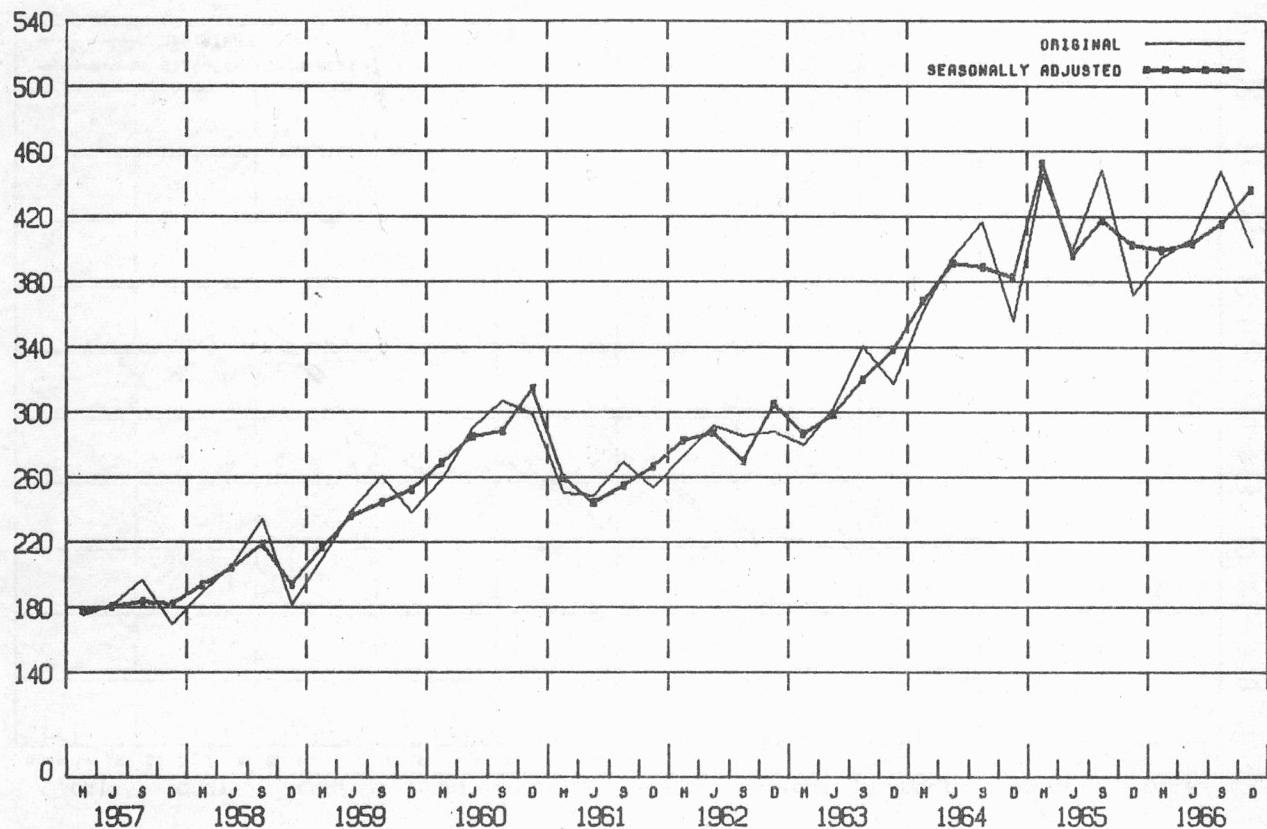
| YEAR | QUARTERS ENDED- | | | |
|---------------------|-----------------|-------|-------|-------|
| | MAR | JUN | SEP | DEC |
| ORIGINAL | | | | |
| 1957 | 71.3 | 68.6 | 78.2 | 63.6 |
| 1958 | 77.8 | 83.3 | 98.1 | 66.9 |
| 1959 | 83.0 | 107.2 | 122.4 | 100.6 |
| 1960 | 112.9 | 126.5 | 134.1 | 135.9 |
| 1961 | 115.8 | 119.8 | 124.6 | 123.1 |
| 1962 | 134.0 | 145.8 | 128.1 | 137.8 |
| 1963 | 133.3 | 143.7 | 152.2 | 138.0 |
| 1964 | 172.2 | 189.0 | 188.6 | 149.0 |
| 1965 | 227.5 | 188.3 | 223.3 | 177.0 |
| 1966 | 192.6 | 182.9 | 214.4 | 168.9 |
| SEASONALLY ADJUSTED | | | | |
| 1957 | 71.4 | 67.1 | 70.5 | 72.3 |
| 1958 | 78.9 | 81.4 | 88.9 | 74.9 |
| 1959 | 85.1 | 103.8 | 112.5 | 110.6 |
| 1960 | 116.8 | 121.4 | 125.2 | 147.4 |
| 1961 | 119.7 | 114.6 | 117.9 | 132.7 |
| 1962 | 137.3 | 139.9 | 121.6 | 149.8 |
| 1963 | 134.7 | 139.0 | 143.6 | 152.0 |
| 1964 | 171.6 | 184.6 | 175.6 | 167.3 |
| 1965 | 224.3 | 185.2 | 205.6 | 201.5 |
| 1966 | 188.8 | 180.6 | 196.3 | 193.8 |

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

41.

TOTAL NEW BUILDINGS COMMENCED - VALUE

\$ MILLION



QUARTERS ENDED-

YEAR

MAR

JUN

SEP

DEC

ORIGINAL

| | | | | |
|------|-------|-------|-------|-------|
| 1957 | 174.6 | 180.9 | 196.5 | 169.6 |
| 1958 | 189.1 | 205.8 | 234.0 | 181.1 |
| 1959 | 210.4 | 239.3 | 260.6 | 237.9 |
| 1960 | 259.2 | 290.2 | 306.5 | 298.6 |
| 1961 | 250.4 | 248.5 | 269.3 | 253.2 |
| 1962 | 273.4 | 291.8 | 285.5 | 288.0 |
| 1963 | 279.3 | 302.1 | 340.4 | 317.3 |
| 1964 | 361.8 | 395.1 | 416.1 | 355.3 |
| 1965 | 445.9 | 399.1 | 448.7 | 371.6 |
| 1966 | 394.5 | 406.1 | 447.6 | 401.1 |

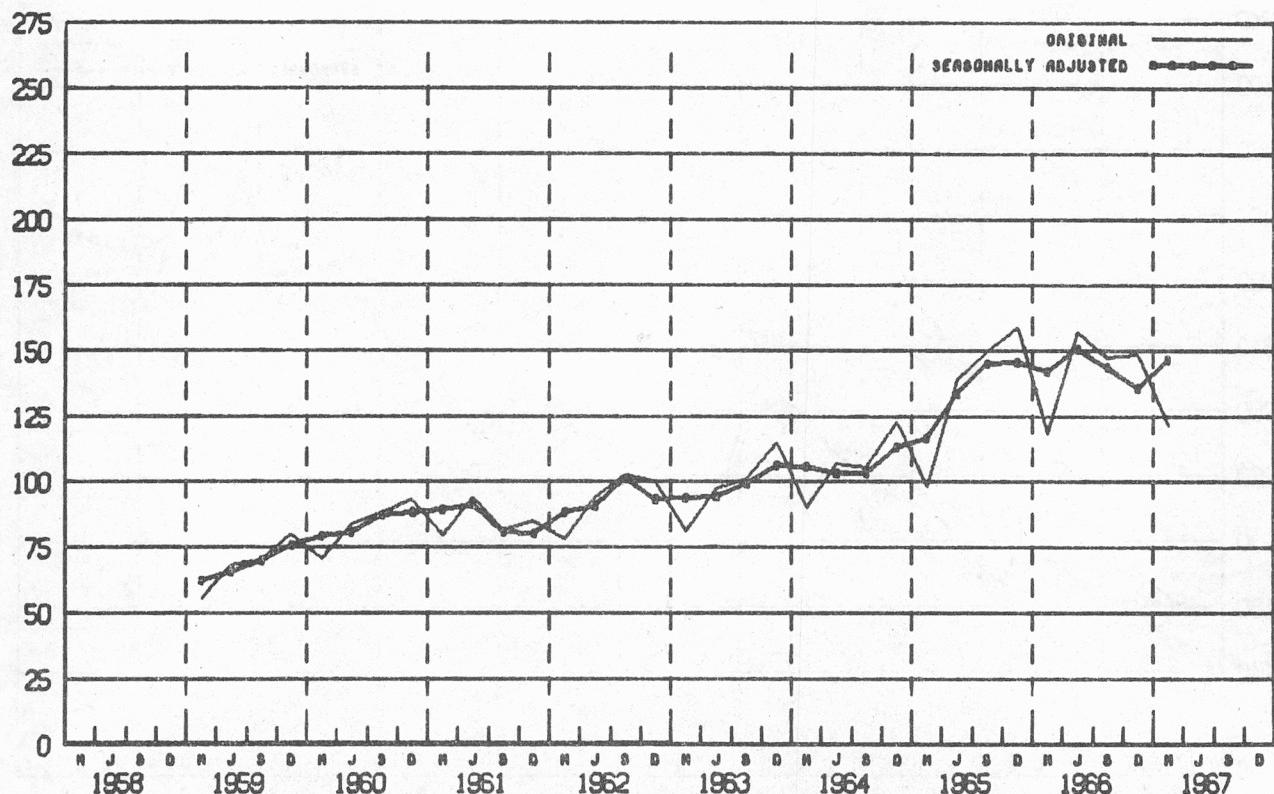
SEASONALLY ADJUSTED

| | | | | |
|------|-------|-------|-------|-------|
| 1957 | 177.3 | 179.2 | 182.9 | 181.3 |
| 1958 | 193.5 | 203.3 | 217.6 | 192.9 |
| 1959 | 216.8 | 235.4 | 243.4 | 251.7 |
| 1960 | 268.2 | 284.7 | 287.8 | 314.4 |
| 1961 | 259.0 | 243.6 | 254.1 | 265.8 |
| 1962 | 281.7 | 287.0 | 269.0 | 304.1 |
| 1963 | 285.9 | 297.9 | 319.7 | 337.7 |
| 1964 | 368.0 | 390.9 | 388.3 | 381.9 |
| 1965 | 451.4 | 395.3 | 417.3 | 401.6 |
| 1966 | 398.5 | 402.8 | 414.9 | 435.5 |

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

CAPITAL EXPENDITURE BY PRIVATE BUSINESSES(A) - NEW BUILDINGS AND STRUCTURES

\$ MILLION



QUARTERS ENDED-

| YEAR | MAR | JUN | SEP | DEC |
|---------------------|----------|-------|-------|-------|
| | ORIGINAL | | | |
| 1959 | 55.6 | 68.2 | 70.0 | 79.8 |
| 1960 | 70.6 | 83.8 | 87.8 | 93.0 |
| 1961 | 79.4 | 94.0 | 81.6 | 85.2 |
| 1962 | 77.8 | 93.8 | 102.6 | 100.2 |
| 1963 | 81.2 | 97.4 | 100.9 | 115.1 |
| 1964 | 90.2 | 107.1 | 105.6 | 123.1 |
| 1965 | 98.2 | 138.8 | 149.4 | 158.9 |
| 1966 | 118.3 | 157.3 | 147.7 | 148.4 |
| 1967 | 121.4P | | | |
| SEASONALLY ADJUSTED | | | | |
| 1959 | 62.1 | 65.5 | 69.4 | 75.6 |
| 1960 | 78.9 | 80.7 | 87.0 | 87.8 |
| 1961 | 89.0 | 90.8 | 80.6 | 79.8 |
| 1962 | 88.2 | 90.7 | 101.1 | 93.0 |
| 1963 | 93.4 | 94.1 | 98.9 | 106.1 |
| 1964 | 105.6 | 103.2 | 103.1 | 112.9 |
| 1965 | 116.7 | 133.3 | 145.2 | 145.4 |
| 1966 | 141.9 | 150.6 | 143.4 | 135.7 |
| 1967 | 146.4P | | | |

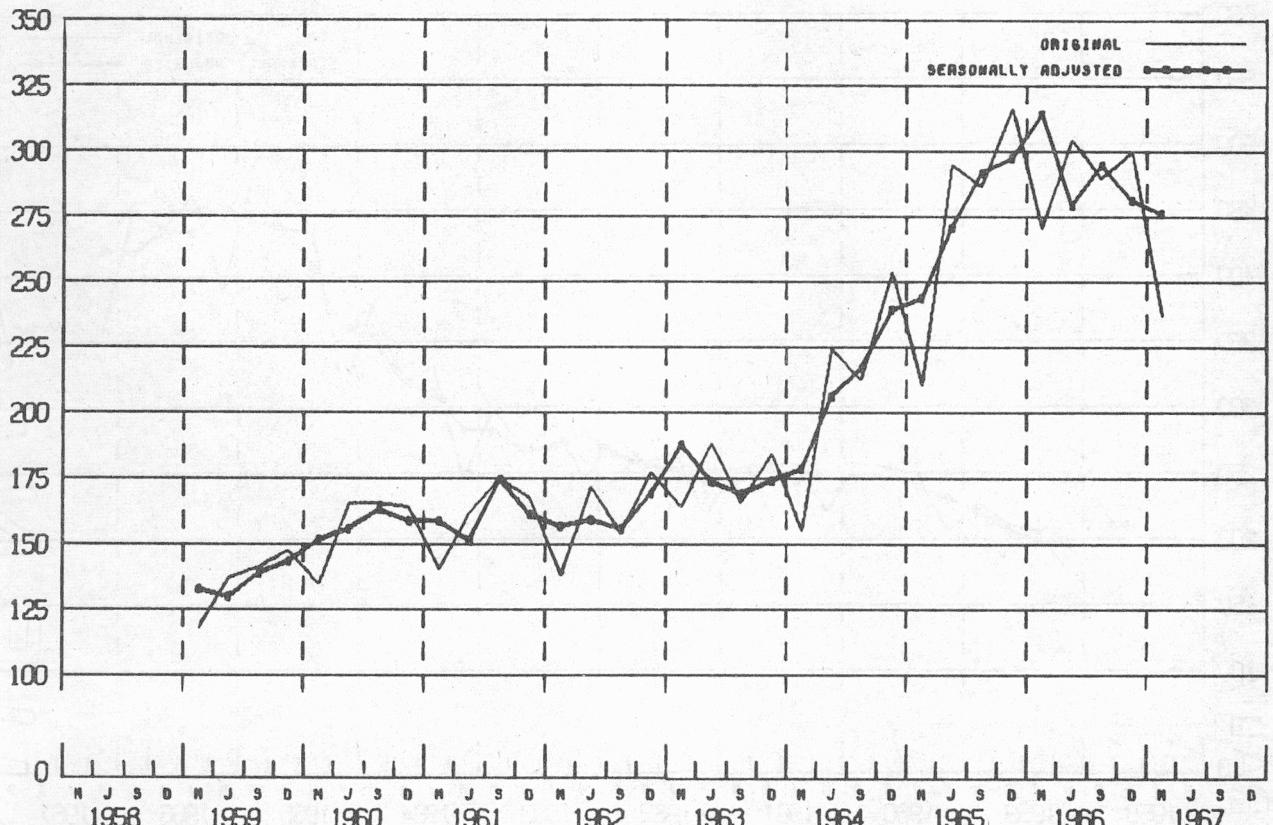
(A) SEE EXPLANATORY NOTES.

(P) PRELIMINARY ESTIMATE.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

43.

CAPITAL EXPENDITURE BY PRIVATE BUSINESSES(A) - OTHER NEW CAPITAL EQUIPMENT(B)
\$ MILLION



| YEAR | QUARTERS ENDED- | | | |
|------|-----------------|-----|-----|-----|
| | MAR | JUN | SEP | DEC |

ORIGINAL

| | | | | |
|------|--------|-------|-------|-------|
| 1959 | 117.8 | 137.2 | 141.0 | 147.6 |
| 1960 | 134.6 | 165.6 | 165.4 | 164.0 |
| 1961 | 140.6 | 161.8 | 174.8 | 167.6 |
| 1962 | 137.8 | 171.8 | 154.2 | 177.6 |
| 1963 | 163.8 | 188.6 | 166.1 | 184.3 |
| 1964 | 155.2 | 224.6 | 212.7 | 254.2 |
| 1965 | 210.6 | 295.0 | 286.4 | 316.3 |
| 1966 | 270.4 | 304.3 | 289.6 | 299.5 |
| 1967 | 236.9P | | | |

SEASONALLY ADJUSTED

| | | | | |
|------|--------|-------|-------|-------|
| 1959 | 132.6 | 129.3 | 138.4 | 143.2 |
| 1960 | 151.5 | 155.6 | 163.2 | 158.5 |
| 1961 | 158.7 | 150.9 | 174.4 | 160.8 |
| 1962 | 156.5 | 159.0 | 155.5 | 169.1 |
| 1963 | 187.4 | 173.4 | 168.9 | 174.2 |
| 1964 | 178.5 | 206.0 | 216.8 | 239.2 |
| 1965 | 243.6 | 270.5 | 291.6 | 297.0 |
| 1966 | 314.1 | 278.9 | 294.4 | 281.1 |
| 1967 | 276.1P | | | |

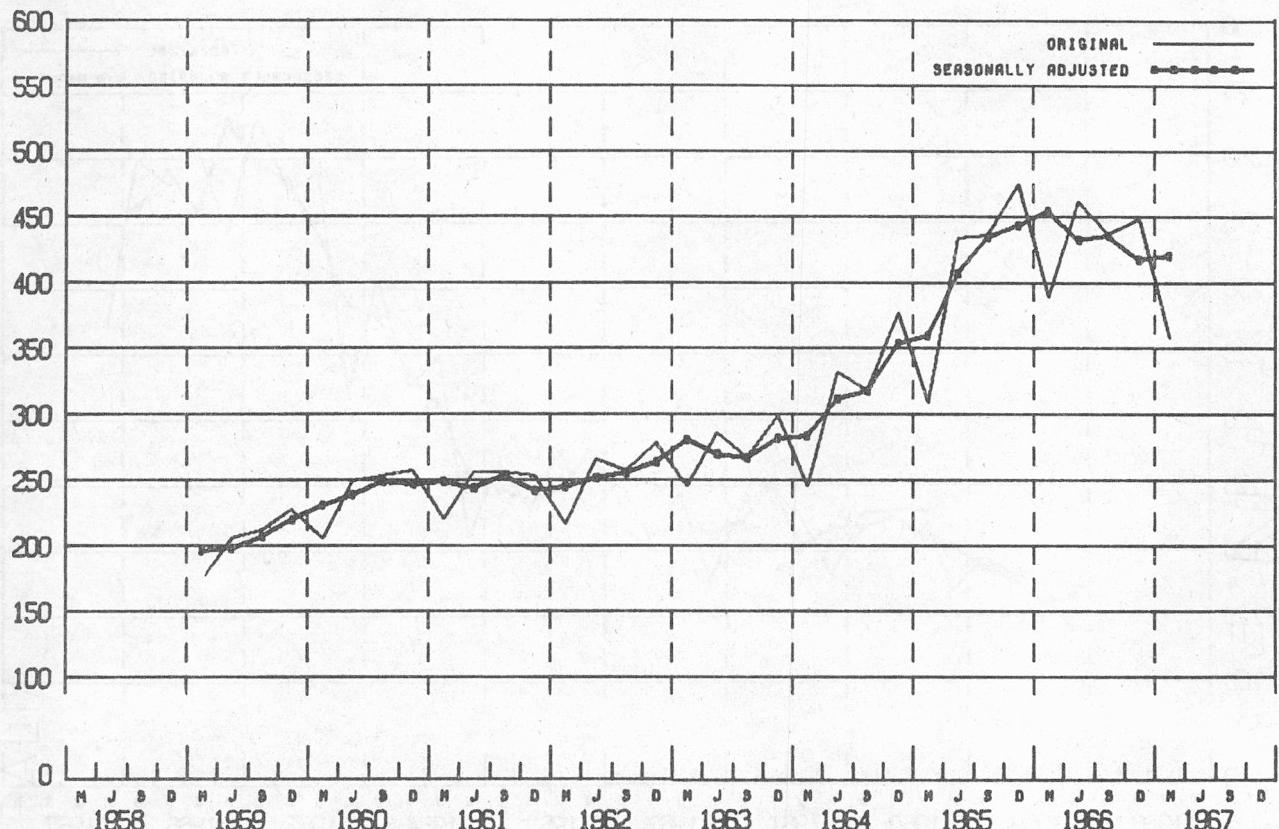
(A) SEE EXPLANATORY NOTES.

(B) OTHER THAN BUILDINGS AND STRUCTURES.

(P) PRELIMINARY ESTIMATE.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

CAPITAL EXPENDITURE BY PRIVATE BUSINESSES(A) - TOTAL NEW CAPITAL EXPENDITURE
\$ MILLION



| YEAR | QUARTERS ENDED- | | | |
|---------------------|-----------------|-------|-------|-------|
| | MAR | JUN | SEP | DEC |
| ORIGINAL | | | | |
| 1959 | 173.4 | 205.4 | 211.0 | 227.4 |
| 1960 | 205.2 | 249.4 | 253.2 | 257.0 |
| 1961 | 220.0 | 255.8 | 256.4 | 252.8 |
| 1962 | 215.6 | 265.6 | 256.8 | 277.8 |
| 1963 | 245.0 | 286.0 | 267.0 | 299.4 |
| 1964 | 245.4 | 331.7 | 318.3 | 377.3 |
| 1965 | 308.8 | 433.8 | 435.8 | 475.2 |
| 1966 | 388.7 | 461.6 | 437.3 | 447.9 |
| 1967 | 358.3P | | | |
| SEASONALLY ADJUSTED | | | | |
| 1959 | 194.5 | 196.5 | 206.2 | 218.6 |
| 1960 | 230.2 | 238.3 | 248.2 | 246.4 |
| 1961 | 247.6 | 243.4 | 252.8 | 240.9 |
| 1962 | 244.3 | 251.3 | 254.8 | 262.7 |
| 1963 | 280.3 | 269.2 | 265.9 | 281.4 |
| 1964 | 283.1 | 311.4 | 317.4 | 352.8 |
| 1965 | 359.0 | 406.7 | 434.1 | 443.2 |
| 1966 | 454.4 | 432.3 | 435.2 | 417.4 |
| 1967 | 420.2P | | | |

(A) SEE EXPLANATORY NOTES.

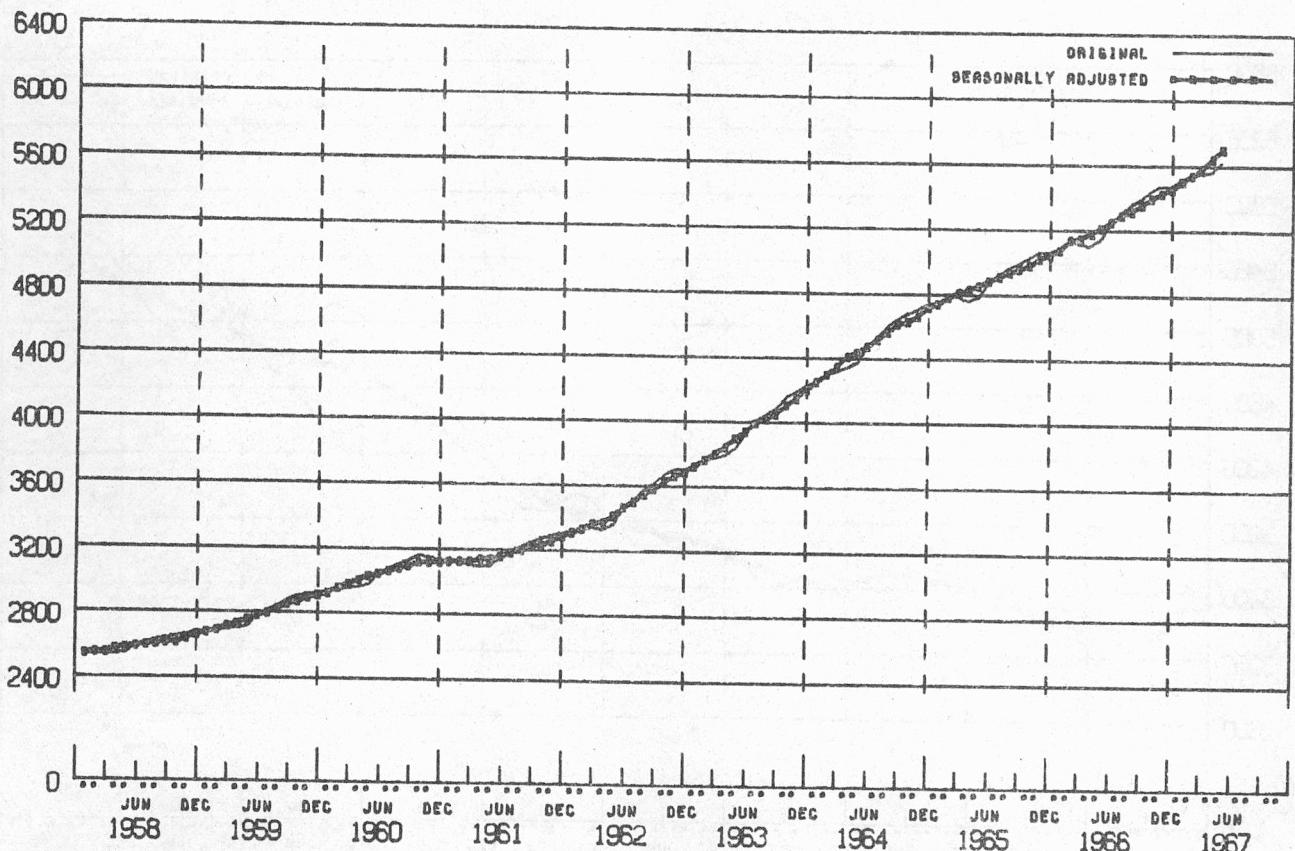
(P) PRELIMINARY ESTIMATE.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

45,

SAVINGS BANK DEPOSITS (A)

\$ MILLION



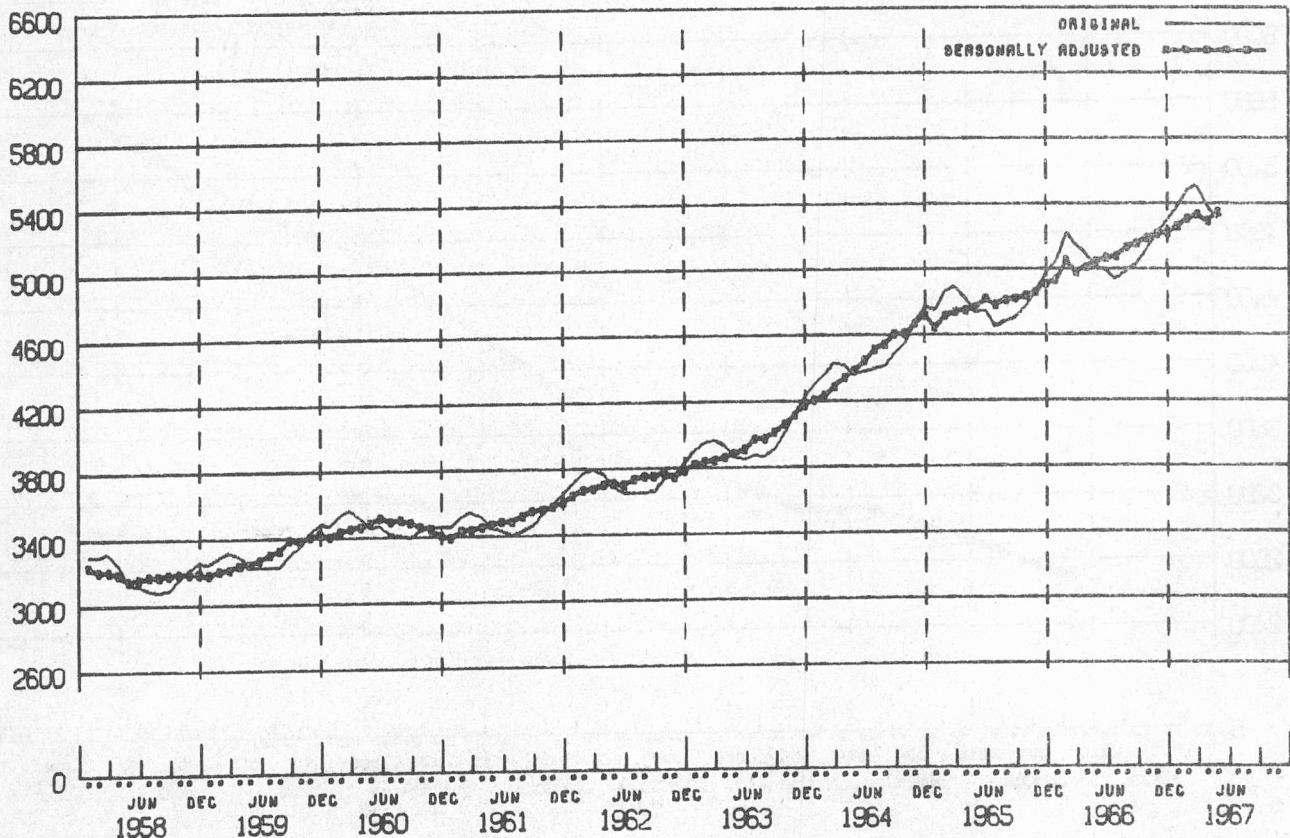
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 2539.0 | 2538.8 | 2534.5 | 2539.7 | 2542.3 | 2593.7 | 2609.7 | 2621.7 | 2640.4 | 2650.0 | 2665.9 | 2674.9 |
| 1959 | 2677.2 | 2689.3 | 2698.6 | 2700.7 | 2714.5 | 2782.7 | 2807.8 | 2839.2 | 2878.7 | 2907.3 | 2922.4 | 2921.0 |
| 1960 | 2926.4 | 2947.6 | 2954.5 | 2960.8 | 2979.5 | 3045.4 | 3073.1 | 3101.7 | 3126.3 | 3161.5 | 3154.6 | 3133.9 |
| 1961 | 3127.4 | 3121.6 | 3103.0 | 3098.6 | 3095.6 | 3154.9 | 3189.2 | 3218.6 | 3250.1 | 3270.6 | 3287.5 | 3301.1 |
| 1962 | 3309.5 | 3329.9 | 3340.2 | 3327.4 | 3357.7 | 3469.8 | 3512.3 | 3578.0 | 3614.3 | 3672.5 | 3701.8 | 3705.3 |
| 1963 | 3727.4 | 3764.6 | 3775.4 | 3791.1 | 3840.4 | 3939.7 | 4008.6 | 4048.6 | 4085.5 | 4159.4 | 4192.3 | 4225.0 |
| 1964 | 4260.0 | 4302.5 | 4320.0 | 4346.0 | 4374.3 | 4476.2 | 4535.4 | 4597.3 | 4644.7 | 4683.3 | 4704.5 | 4734.2 |
| 1965 | 4749.1 | 4782.6 | 4781.7 | 4757.8 | 4785.8 | 4886.6 | 4922.4 | 4967.9 | 4994.2 | 5034.4 | 5065.0 | 5066.1 |
| 1966 | 5084.9 | 5141.8 | 5117.6 | 5102.1 | 5140.5 | 5253.7 | 5307.7 | 5356.4 | 5391.4 | 5448.5 | 5474.4 | 5471.4 |
| 1967 | 5511.7 | 5544.4 | 5551.3 | 5558.2 | 5622.7 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 2542.0 | 2549.4 | 2555.1 | 2574.8 | 2583.8 | 2592.2 | 2603.2 | 2606.4 | 2615.5 | 2619.2 | 2640.5 | 2665.4 |
| 1959 | 2680.1 | 2699.7 | 2721.4 | 2739.1 | 2759.4 | 2782.3 | 2800.6 | 2821.8 | 2852.0 | 2872.7 | 2893.5 | 2910.1 |
| 1960 | 2929.4 | 2957.8 | 2980.1 | 3004.7 | 3029.4 | 3046.2 | 3065.1 | 3081.6 | 3098.3 | 3123.1 | 3122.8 | 3121.9 |
| 1961 | 3130.1 | 3130.9 | 3130.1 | 3146.1 | 3147.6 | 3156.7 | 3180.9 | 3196.6 | 3222.5 | 3231.4 | 3254.2 | 3288.5 |
| 1962 | 3311.7 | 3337.8 | 3368.5 | 3379.9 | 3413.4 | 3472.2 | 3503.1 | 3552.8 | 3585.7 | 3630.2 | 3665.7 | 3691.3 |
| 1963 | 3728.6 | 3770.8 | 3805.6 | 3851.7 | 3902.6 | 3942.2 | 3998.1 | 4020.3 | 4055.8 | 4114.3 | 4153.4 | 4210.0 |
| 1964 | 4259.8 | 4306.4 | 4352.3 | 4415.6 | 4442.6 | 4478.3 | 4523.3 | 4566.7 | 4613.5 | 4635.7 | 4663.3 | 4718.5 |
| 1965 | 4747.1 | 4784.1 | 4815.1 | 4833.5 | 4857.8 | 4888.6 | 4909.3 | 4936.7 | 4962.2 | 4985.9 | 5022.1 | 5050.7 |
| 1966 | 5081.2 | 5141.5 | 5151.7 | 5182.6 | 5216.1 | 5256.1 | 5293.6 | 5323.9 | 5357.3 | 5398.1 | 5428.9 | 5454.8 |
| 1967 | 5506.9 | 5543.3 | 5586.9 | 5645.6 | 5705.3 | | | | | | | |

(A) DEPOSITS AT END OF MONTH - ALL SAVINGS BANKS. SEE EXPLANATORY NOTES.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

MAJOR TRADING BANKS - TOTAL DEPOSITS (A)

\$ MILLION



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 3299.1 | 3295.6 | 3317.0 | 3250.8 | 3130.1 | 3116.6 | 3095.4 | 3078.3 | 3091.3 | 3159.7 | 3208.5 | 3252.1 |
| 1959 | 3246.5 | 3290.6 | 3323.4 | 3295.6 | 3224.8 | 3224.9 | 3221.6 | 3227.2 | 3293.8 | 3353.4 | 3421.4 | 3481.6 |
| 1960 | 3471.0 | 3532.1 | 3567.6 | 3520.9 | 3458.3 | 3462.3 | 3412.2 | 3404.3 | 3392.9 | 3438.9 | 3462.7 | 3455.1 |
| 1961 | 3459.3 | 3521.0 | 3542.7 | 3516.5 | 3444.6 | 3430.3 | 3402.0 | 3421.1 | 3456.6 | 3531.1 | 3580.8 | 3647.6 |
| 1962 | 3713.8 | 3773.4 | 3790.7 | 3766.4 | 3685.7 | 3648.3 | 3645.5 | 3644.6 | 3653.2 | 3733.0 | 3750.2 | 3831.4 |
| 1963 | 3902.3 | 3952.8 | 3970.5 | 3935.0 | 3863.8 | 3846.9 | 3874.9 | 3863.4 | 3913.8 | 4015.9 | 4121.0 | 4225.3 |
| 1964 | 4302.1 | 4368.9 | 4428.1 | 4418.9 | 4356.6 | 4378.2 | 4389.4 | 4411.6 | 4487.6 | 4551.3 | 4674.9 | 4779.0 |
| 1965 | 4749.7 | 4874.9 | 4899.6 | 4826.4 | 4736.2 | 4746.4 | 4651.6 | 4678.0 | 4705.2 | 4778.1 | 4865.9 | 4978.8 |
| 1966 | 5048.8 | 5222.8 | 5153.1 | 5096.0 | 5010.3 | 4992.8 | 4938.5 | 4983.7 | 5029.4 | 5125.3 | 5217.9 | 5297.9 |
| 1967 | 5382.9 | 5489.2 | 5515.9 | 5372.9 | 5310.2 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 3236.7 | 3209.0 | 3207.8 | 3193.9 | 3152.8 | 3163.8 | 3178.9 | 3179.6 | 3186.0 | 3188.5 | 3193.5 | 3195.2 |
| 1959 | 3186.0 | 3206.2 | 3218.6 | 3239.9 | 3250.2 | 3275.6 | 3305.9 | 3326.5 | 3388.3 | 3381.4 | 3406.9 | 3427.6 |
| 1960 | 3407.5 | 3441.0 | 3459.2 | 3461.6 | 3485.5 | 3517.3 | 3499.3 | 3503.9 | 3485.9 | 3467.9 | 3451.8 | 3407.5 |
| 1961 | 3394.1 | 3428.2 | 3437.6 | 3456.7 | 3470.2 | 3485.6 | 3487.9 | 3518.7 | 3548.4 | 3563.8 | 3572.9 | 3602.8 |
| 1962 | 3641.2 | 3669.4 | 3677.9 | 3701.8 | 3711.6 | 3707.3 | 3739.3 | 3749.2 | 3749.0 | 3772.1 | 3745.3 | 3785.5 |
| 1963 | 3821.6 | 3838.0 | 3850.4 | 3867.9 | 3890.5 | 3910.2 | 3978.2 | 3975.9 | 4016.3 | 4062.4 | 4117.1 | 4174.3 |
| 1964 | 4210.2 | 4234.8 | 4290.4 | 4346.1 | 4387.2 | 4450.7 | 4511.6 | 4542.2 | 4605.1 | 4608.1 | 4671.0 | 4717.9 |
| 1965 | 4646.2 | 4719.6 | 4743.6 | 4750.6 | 4771.0 | 4824.3 | 4785.4 | 4817.7 | 4827.9 | 4840.0 | 4861.0 | 4913.7 |
| 1966 | 4939.2 | 5052.5 | 4985.7 | 5019.7 | 5047.8 | 5073.5 | 5083.4 | 5133.4 | 5159.3 | 5193.1 | 5212.5 | 5227.7 |
| 1967 | 5266.8 | 5308.1 | 5335.5 | 5294.2 | 5349.9 | | | | | | | |

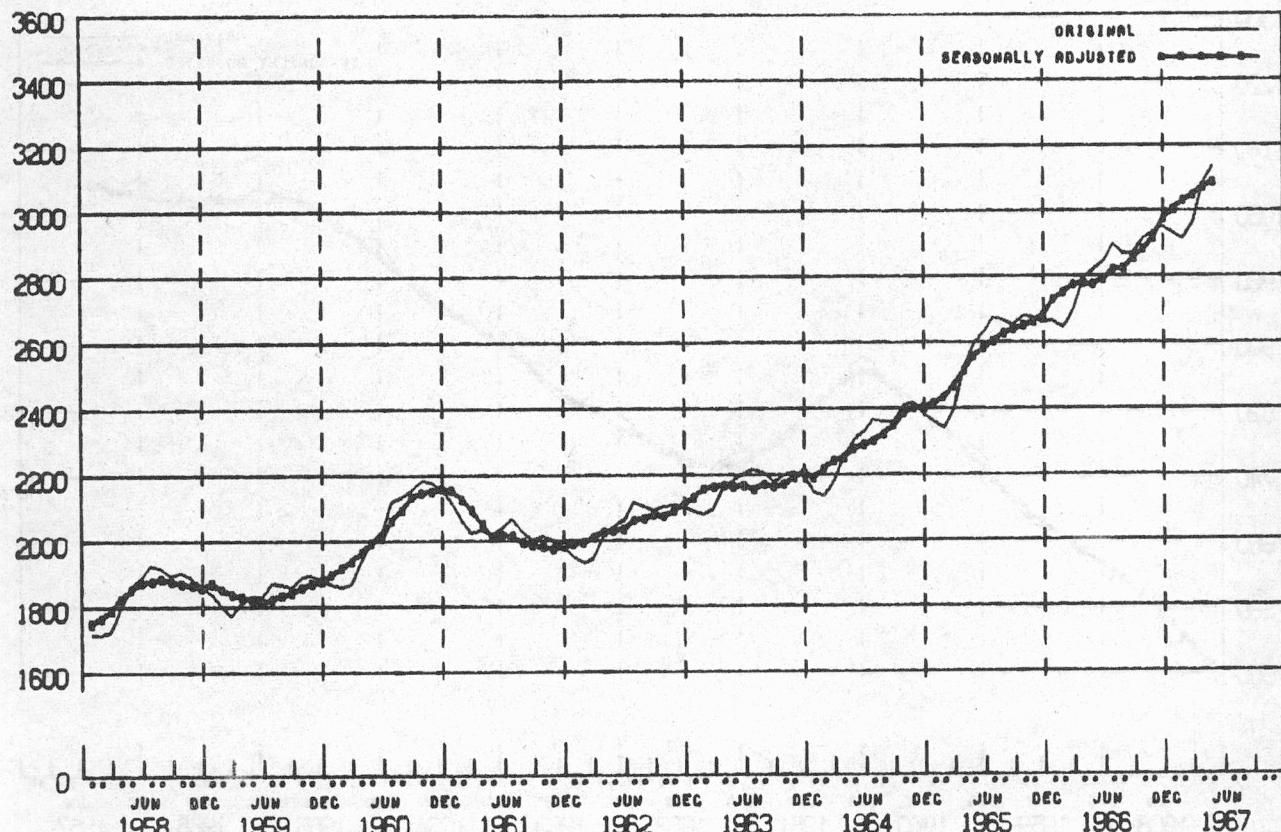
(A) AVERAGE OF THE FIGURES RELATING TO WEEKLY BALANCE DAYS (WEDNESDAYS)
DURING THE MONTH.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

47.

MAJOR TRADING BANKS - LOANS, ADVANCES AND BILLS DISCOUNTED (A)

\$ MILLION



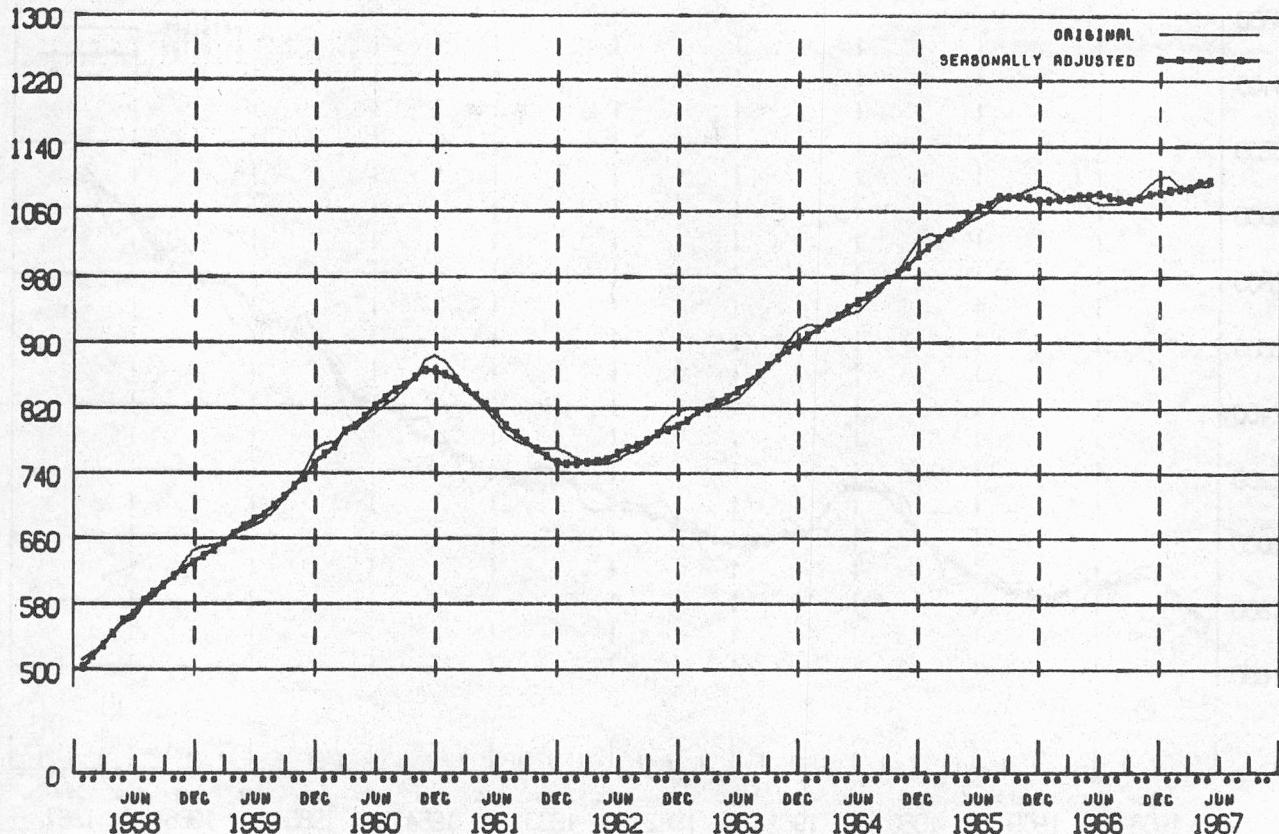
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 1721.1 | 1714.2 | 1725.4 | 1805.5 | 1865.8 | 1891.3 | 1928.3 | 1919.9 | 1897.7 | 1904.1 | 1893.7 | 1864.4 |
| 1959 | 1840.8 | 1798.4 | 1771.3 | 1810.2 | 1830.9 | 1832.6 | 1872.2 | 1867.2 | 1859.3 | 1890.4 | 1897.5 | 1884.1 |
| 1960 | 1868.6 | 1860.4 | 1869.2 | 1945.5 | 2000.9 | 2030.1 | 2120.5 | 2132.1 | 2155.1 | 2184.4 | 2179.0 | 2160.7 |
| 1961 | 2117.1 | 2060.7 | 2023.1 | 2033.7 | 2020.7 | 2040.1 | 2069.9 | 2029.2 | 2001.6 | 2014.5 | 1998.1 | 1983.4 |
| 1962 | 1953.5 | 1930.4 | 1943.9 | 2017.6 | 2044.0 | 2062.7 | 2121.8 | 2104.2 | 2093.1 | 2103.6 | 2108.3 | 2104.2 |
| 1963 | 2089.2 | 2081.5 | 2096.2 | 2164.0 | 2182.5 | 2202.3 | 2216.5 | 2207.2 | 2175.7 | 2199.7 | 2208.8 | 2196.7 |
| 1964 | 2142.6 | 2137.4 | 2177.7 | 2256.1 | 2305.7 | 2333.2 | 2367.5 | 2358.9 | 2360.5 | 2412.2 | 2417.4 | 2385.9 |
| 1965 | 2361.2 | 2342.0 | 2397.5 | 2524.3 | 2594.1 | 2631.1 | 2674.8 | 2666.3 | 2651.8 | 2678.2 | 2676.8 | 2660.9 |
| 1966 | 2665.9 | 2642.7 | 2697.8 | 2792.1 | 2818.5 | 2845.0 | 2900.8 | 2866.2 | 2866.2 | 2915.2 | 2930.6 | 2952.3 |
| 1967 | 2934.0 | 2911.6 | 2961.9 | 3085.6 | 3136.6 | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 1752.4 | 1768.2 | 1793.1 | 1828.7 | 1857.3 | 1875.1 | 1879.9 | 1887.3 | 1880.9 | 1871.0 | 1867.8 | 1861.1 |
| 1959 | 1872.6 | 1856.0 | 1841.5 | 1832.3 | 1824.3 | 1816.9 | 1823.3 | 1834.4 | 1843.5 | 1858.2 | 1873.2 | 1882.0 |
| 1960 | 1900.1 | 1920.3 | 1941.7 | 1966.3 | 1994.8 | 2012.4 | 2064.2 | 2094.4 | 2137.9 | 2148.9 | 2153.6 | 2159.8 |
| 1961 | 2154.1 | 2129.1 | 2097.5 | 2050.5 | 2013.4 | 2019.7 | 2014.9 | 1994.1 | 1987.2 | 1983.8 | 1977.9 | 1985.5 |
| 1962 | 1990.1 | 1997.1 | 2011.1 | 2028.1 | 2032.6 | 2037.7 | 2065.4 | 2068.9 | 2080.3 | 2074.7 | 2090.5 | 2110.8 |
| 1963 | 2132.0 | 2158.1 | 2163.9 | 2167.8 | 2164.3 | 2169.9 | 2157.2 | 2171.8 | 2164.4 | 2173.0 | 2193.9 | 2208.5 |
| 1964 | 2190.1 | 2220.0 | 2244.4 | 2253.2 | 2280.1 | 2293.6 | 2304.2 | 2322.0 | 2350.3 | 2386.1 | 2404.0 | 2402.8 |
| 1965 | 2416.5 | 2436.5 | 2468.1 | 2515.9 | 2559.9 | 2582.5 | 2603.0 | 2626.3 | 2641.8 | 2650.5 | 2663.6 | 2682.3 |
| 1966 | 2730.1 | 2751.9 | 2776.3 | 2779.8 | 2777.9 | 2790.5 | 2822.9 | 2824.3 | 2856.2 | 2884.9 | 2915.8 | 2977.3 |
| 1967 | 3005.2 | 3033.5 | 3047.8 | 3070.2 | 3090.0 | | | | | | | |

(A) EXCLUDES LOANS TO DEALERS IN THE SHORT TERM MONEY MARKET. AVERAGE OF THE FIGURES RELATING TO WEEKLY BALANCE DAYS (WEDNESDAYS) DURING THE MONTH.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

INSTALMENT CREDIT FOR RETAIL SALES
NON-RETAIL FINANCE BUSINESSES - BALANCES OUTSTANDING (A)

\$ MILLION



| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---------------------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| ORIGINAL | | | | | | | | | | | | |
| 1958 | 510.8 | 520.2 | 529.2 | 543.2 | 556.8 | 563.0 | 577.7 | 587.6 | 600.5 | 613.9 | 629.2 | 645.1 |
| 1959 | 650.2 | 651.6 | 655.4 | 664.5 | 671.8 | 676.7 | 683.2 | 693.4 | 708.0 | 724.5 | 743.3 | 769.0 |
| 1960 | 776.4 | 779.0 | 790.6 | 795.2 | 804.3 | 813.6 | 823.2 | 831.8 | 843.8 | 857.2 | 876.9 | 884.6 |
| 1961 | 876.7 | 859.6 | 843.2 | 830.5 | 818.4 | 803.5 | 789.8 | 780.8 | 775.8 | 770.8 | 770.9 | 770.9 |
| 1962 | 766.2 | 757.8 | 752.4 | 750.7 | 751.2 | 756.3 | 764.3 | 768.0 | 777.4 | 790.7 | 803.3 | 814.6 |
| 1963 | 819.3 | 820.1 | 819.7 | 822.6 | 827.2 | 832.5 | 844.1 | 856.1 | 869.9 | 883.4 | 902.4 | 916.7 |
| 1964 | 923.1 | 921.2 | 922.8 | 928.3 | 935.6 | 939.2 | 949.0 | 950.7 | 975.7 | 988.5 | 1005.3 | 1025.0 |
| 1965 | 1030.1 | 1030.7 | 1032.3 | 1038.2 | 1046.5 | 1054.1 | 1060.6 | 1072.2 | 1077.9 | 1081.7 | 1087.2 | 1092.8 |
| 1966 | 1088.9 | 1078.5 | 1073.5 | 1074.4 | 1075.1 | 1070.2 | 1069.8 | 1069.0 | 1072.8 | 1080.3 | 1092.4 | 1102.3 |
| 1967 | 1103.2 | 1090.3 | 1085.1 | 1091.6B | 1092.0C | | | | | | | |
| SEASONALLY ADJUSTED | | | | | | | | | | | | |
| 1958 | 502.7 | 516.9 | 529.6 | 544.9 | 560.4 | 569.6 | 584.2 | 594.0 | 604.4 | 615.3 | 623.4 | 631.5 |
| 1959 | 639.7 | 647.6 | 656.3 | 667.0 | 676.3 | 684.6 | 690.9 | 701.5 | 712.9 | 725.5 | 735.6 | 752.6 |
| 1960 | 763.6 | 774.2 | 792.1 | 798.9 | 810.0 | 823.2 | 832.5 | 841.7 | 849.4 | 857.6 | 867.0 | 865.9 |
| 1961 | 862.0 | 854.5 | 845.1 | 835.2 | 824.6 | 813.3 | 798.5 | 789.6 | 780.3 | 770.6 | 761.9 | 755.2 |
| 1962 | 753.5 | 753.6 | 754.3 | 755.6 | 757.3 | 765.6 | 772.4 | 775.7 | 780.8 | 789.9 | 794.1 | 799.0 |
| 1963 | 806.3 | 816.0 | 822.1 | 828.3 | 833.7 | 842.7 | 852.4 | 863.4 | 872.7 | 882.1 | 892.7 | 900.4 |
| 1964 | 909.2 | 917.5 | 926.1 | 934.4 | 942.4 | 950.5 | 957.9 | 967.7 | 978.0 | 986.7 | 995.2 | 1007.9 |
| 1965 | 1017.4 | 1027.5 | 1036.5 | 1044.3 | 1053.3 | 1066.4 | 1070.3 | 1079.1 | 1080.0 | 1079.7 | 1076.9 | 1075.1 |
| 1966 | 1073.7 | 1075.9 | 1078.3 | 1080.1 | 1081.5 | 1082.4 | 1079.5 | 1075.6 | 1074.6 | 1078.3 | 1082.4 | 1084.7 |
| 1967 | 1088.0 | 1090.2 | 1097.0B | 1098.1C | | | | | | | | |

(A) FIGURES RELATE TO END OF MONTH AND INCLUDE HIRING CHARGES, INTEREST,
INSURANCE, ETC.

(B) PRELIMINARY ESTIMATES, SUBJECT TO REVISION.

(C) PROVISIONAL ESTIMATE, SUBJECT TO REVISION. ROUNDED TO NEAREST MILLION
DOLLARS.

NOTE - ALL SEASONALLY ADJUSTED FIGURES ARE SUBJECT TO REVISION.

APPENDIX A

EXPLANATORY NOTES AND PUBLICATIONS FOR FURTHER REFERENCE

The notes below provide further information on the nature of the series and references to publications for further details. The publications referred to are those monthly and quarterly statements in which subsequent seasonally adjusted figures are to be published.

Subsequent seasonally adjusted figures will also be included in the "Monthly Review of Business Statistics" and a selection will be included in the "Digest of Current Economic Statistics".

| Series | Page | Explanatory Notes | Publications for further reference |
|---------------------------------|------|--|--|
| <u>PRODUCTION</u> | | | |
| Electricity | 1 | Total generated, including electricity not for sale. | Production Statistics .. monthly |
| Gas | 2 | Total produced in gasworks. 1 Therm = 100,000 British Thermal Units. | Production Statistics - Preliminary .. monthly |
| Cement | 3 | Portland cement. | |
| Electric motors under 1 h.p. | 4 | Includes those made and incorporated by manufacturers in their own products. | |
| Cotton woven cloth | 5 | Cotton woven cloth (including mixtures predominantly of cotton) over 12" wide. | |
| Woollen and worsted woven cloth | 6 | Woollen woven cloth (including mixtures predominantly of wool) over 12" wide. | |
| Boots and shoes | 7 | Includes sandals and moulded plastic footwear, but excludes slippers, rubber thongs, sandshoes, galoshes and rubber gum boots. | Production Statistics .. monthly |
| Meat | 8 | In terms of fresh meat (carcass weight). Total production including estimates of meat from animals slaughtered on farms. | The Meat Industry .. monthly |
| Whole milk | 9 | | The Dairying Industry .. monthly |
| <u>OVERSEAS TRADE</u> | | | |
| Imports | 10 | Total value of imports recorded in month. | Overseas Trade Statistics Parts 1 & 2 .. monthly |
| Exports | 11 | Total value of exports recorded in month. | Overseas Trade - Preliminary.. monthly |

| Series | Page | Explanatory Notes | Publications for further reference |
|---|-------|---|---|
| <u>EMPLOYMENT</u> | | | |
| <u>Wage and Salary Earners in Civilian Employment</u> | | | |
| Males | | | Employment and Unemployment .. monthly |
| Females | | | |
| Persons | | | |
| Private - Persons | 12-15 | Original data, except those relating to government employees, are based on comprehensive figures from the population censuses of June 1954 and June 1961. Estimates for other months are derived from current pay-roll tax returns, returns of government employment, other direct records of employment, and estimates of the number of employees not covered by these collections. Employees in rural industry and private domestic service and defence forces are excluded. The figures are not directly comparable with statistics derived from the 1966 population census for which new work force definitions were adopted. | Wage and Salary Earners in Civilian Employment - Preliminary .. monthly |
| Government - Persons | 16 | The figures for government employees include all civilian employees, within Australia, of government bodies (Commonwealth, State, local and semi-government) in services such as railways, tramways, banks, post office, air transport, education (including universities), broadcasting, television, police, public works, factories and munitions establishments, departmental hospitals and institutions, migrant hostels, etc., as well as employees of Administrative departments and authorities. | |
| Manufacturing - Persons | 17 | Includes employees of manufacturing establishments who are engaged in selling and distribution, etc., as well as those engaged directly in manufacturing activity. | |
| Commerce - Persons | 18 | | |

| Series | Page | Explanatory Notes | Publications for further reference |
|--|-------|--|--|
| <u>Number Receiving Unemployment Benefit</u> | 19-21 | Excludes persons receiving sickness or special benefits and persons receiving the special benefits paid to migrants in reception and training centres. | Employment and Unemployment .. monthly |
| Males | | | |
| Females | | | |
| Persons | | | |
| <u>Number Registered for Employment</u> | 22-24 | Includes those referred to employers and those who may have obtained employment without notifying the Commonwealth Employment Service. Includes recipients of unemployment benefit. | |
| Males | | | |
| Females | | | |
| Persons | | | |
| <u>Job Vacancies Registered</u> | 25-27 | | |
| For males | | | |
| For females | | | |
| Total | | | |
| <u>INTERNAL TRADE</u> | | | |
| <u>Retail Sales</u> | 28-33 | The figures relate to retail sales of goods (as distinct from services, repairs, accommodation, entertainment, meals, etc.) by establishments which normally sell goods by retail to the general public from shops, rooms, kiosks and yards. Hotels, garages and service stations are included in respect of goods sold, but establishments such as clubs and guest houses are excluded. Goods sold from farms direct are also excluded. | Retail Sales of Goods - Provisional .. monthly Retail Sales of Goods - Preliminary .. quarterly Retail Sales of Goods .. quarterly |
| Monthly retail sales - All items (excluding motor vehicles, parts, petrol, etc.) | | | |
| Quarterly retail sales | | | |
| Food and drink | | | |
| Clothing, hardware, etc. | | | |
| All other goods (excl. motor vehicles, parts, petrol, etc.) | | | |
| All items (excl. motor vehicles, parts, petrol, etc.) | | | |
| Motor vehicles, parts, petrol, etc. | | | |

| Series | Page | Explanatory Notes | Publications for further reference |
|---|-------|--|--|
| New Motor Vehicles Registered | 34-36 | Registrations processed by the motor vehicle registration authorities in the States and Territories during the month. In Western Australia, registrations effected each month in areas outside the Perth Statistical Division (or the metropolitan traffic area for months prior to January 1967) are included in the figures for the following month. The figures include new Commonwealth-owned vehicles other than those belonging to the defence services. | Motor Vehicle Registrations .. monthly |
| Cars and station wagons | | | Registrations of New Motor Vehicles - Preliminary .. monthly |
| Vehicles other than cars and station wagons | | | |
| Total | | | |
| BUILDING, ETC. | | | |
| New houses and flats approved | 37-38 | Building permits issued by local government authorities and contracts let, work commenced and day labour projects authorised by government authorities. Number of houses and flats relate to individual living units. Value of total buildings approved includes all alterations and additions. | Building Approvals .. monthly |
| - Number | | | |
| Total buildings approved | | | |
| - Value | | | |
| New houses and flats commenced - Number | 39-41 | Compiled from returns obtained from building contractors engaged in the erection of new buildings, owner builders and government authorities. Number of houses and flats relate to individual living units. Values exclude the value of land and represent the estimated value of buildings on completion. | Number of New Houses and Flats - Preliminary .. quarterly |
| Other new buildings commenced - Value | | | |
| Total new buildings commenced - Value | | | Building statistics .. quarterly |

| Series | Page | Explanatory Notes | Publications for further reference |
|--|-------|---|--|
| <u>Capital Expenditure by Private Businesses</u> - New buildings and structures Other new capital equipment Total new capital expenditure | 42-44 | Statistics are from returns obtained from private businesses subject to pay-roll tax (other than rural, professional, gas and electricity), from government banks and airlines, and from other businesses not subject to pay-roll tax undertaking projects of more than \$500,000 in any half year. | Capital Expenditure by Private Businesses in Australia .. quarterly |
| <u>FINANCE</u> | | | |
| Savings bank deposits | 45 | Particulars for the Commonwealth Savings Bank, The State Savings Bank of Victoria, The Savings Bank of South Australia, The Rural and Industries Bank of Western Australia and the Hobart Savings Bank relate to the end of the month, those for the Launceston Bank for Savings to the last Monday in the month, and those for the other savings banks to the last Wednesday in the month. | Savings Bank Statistics .. monthly |
| Major Trading Banks - Total deposits Major Trading Banks - Loans, advances, etc. | 46-47 | Major Trading Banks comprise the Commonwealth Trading Bank, Australia and New Zealand Bank Ltd, The Bank of Adelaide, Bank of New South Wales, The Commercial Bank of Australia Ltd, The Commercial Banking Company of Sydney Ltd, The English, Scottish and Australian Bank Ltd, The National Bank of Australasia Ltd. | Banking Statistics .. monthly Banking Statistics - Major Trading Banks - Preliminary .. monthly |
| Instalment credit for retail sales : Non-retail finance businesses - Balances outstanding | 48 | Instalment credit schemes covered include hire purchase, time payment, budget account and personal loan schemes conducted by finance businesses which are not themselves retailers. | Instalment Credit for Retail Sales .. quarterly Instalment Credit for Retail Sales - Preliminary and Provisional .. monthly |

APPENDIX BPROGRAM OPTIONS EMPLOYED

The seasonally adjusted series given in this bulletin have been calculated by means of computer programs of the Census Method II, X-11 Variant (for monthly series) and the X-11Q Variant (for quarterly series). As described in paragraphs 59-62 of the "Introductory Notes", the manner in which these programs have been employed for each series depends on the selection made from among alternative optional procedures allowed for in the programs. The selection of program options has been guided by the evidence of special analyses made for each individual series.

Users should particularly note whether use has been made of trading-day adjustment and of prior adjustment for the effects of moveable holidays, namely Easter and Australia Day, since their application can materially affect the results obtained and the interpretation to be placed on them. Adjustments for trading-day effects and the effects of moveable Easter and Australia Day holidays (see paragraphs 23 and 47 of the Introductory Notes) have been applied to series where special analyses made beforehand have shown that variations, arising from these effects, in the number of trading or working days in the month have significantly affected the series. The only series to which trading-day adjustment has not been applied, apart from "stock" series such as employment and bank deposits, are quarterly building commencements, quarterly capital expenditure and quarterly retail sales of motor vehicles, parts, petrol, etc. For some of the series subject to trading-day adjustment, however, the results of analyses have not warranted further adjustment for Easter or Australia Day effects, e.g. milk production, retail sales and building commencements.

In seasonally adjusting the series listed below by means of the X-11 and X-11Q programs, certain program options were invariably used. These options are not referred to in the table below. Details of these options are:

- (1) Multiplicative adjustment is used in all cases.
- (2) Trading-day adjustments, where applied to monthly series, have been based upon specified prior weights derived from special analyses made beforehand and applied to the entire series.
- (3) Prior adjustment has been used only for purposes referred to in the table.
- (4) The routine for adjusting the trend for the effect of severe industrial disputes has not been used for any series.

Moving averages for trend in monthly series are options specified in accordance with moving averages selected by the X-11 program in analyses made beforehand. Moving averages for monthly seasonal factors are standard (3x5-term) except where alternative options are specified. The X-11Q program has only standard program-selected moving averages for trend and seasonal factors.

The application of other X-11 and X-11Q program options for each series included in this bulletin is as set out in the following table.

TABLE 7
PROGRAM OPTIONS EMPLOYED

For terminology refer to paragraphs 59-62 of the "Introductory Notes"

| Series | Page No. | Moving averages used | | Limits for graduated treatment of extremes | Adjustment made for | | | |
|---|----------|----------------------|------------------|--|-------------------------|--------|------|------------------|
| | | Trend | Seasonal factors | | Trad-ing-day varia-tion | Easter | Aust | Other influences |
| <u>PRODUCTION</u> | | | | | | | | |
| Electricity | 1 | 9-term | 3x5-term* | 1.5 & 2.5* | yes(a) | yes | yes | no |
| Gas | 2 | 13-term | 3x5-term* | 1.5 & 2.5* | yes(a) | yes | yes | no |
| Cement | 3 | 13-term | 3x5-term* | 1.5 & 2.5* | yes(a) | no | no | no |
| Electric motors under 1 h.p. | 4 | 13-term | 3x5-term* | 1.5 & 2.5* | yes(a) | yes | yes | yes(b) |
| Cotton woven cloth | 5 | 13-term | 3x5-term* | 1.5 & 2.5* | yes(a) | yes | yes | yes(b) |
| Woollen and worsted woven cloth | 6 | 13-term | 3x5-term* | 1.5 & 2.5* | yes(a) | yes | yes | yes(b) |
| Boots and shoes | 7 | 13-term | 3x5-term* | 1.5 & 2.5* | yes(a) | yes | yes | yes(b) |
| Meat | 8 | 13-term | 3x5-term* | 1.5 & 2.5* | yes(a) | yes | yes | no |
| Whole milk | 9 | 13-term | 3x5-term* | 1.5 & 2.5* | yes(a) | no | no | no |
| <u>OVERSEAS TRADE</u> | | | | | | | | |
| Imports | 10 | 13-term | 3x9-term | 1.5 & 2.5* | yes(a) | yes | no | no |
| Exports | 11 | 13-term | 3x9-term | 1.5 & 2.5* | yes(a) | yes | no | no |
| <u>EMPLOYMENT</u> | | | | | | | | |
| <u>Wage and Salary Earners in Civilian Employment</u> | | | | | | | | |
| Males | 12 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Females | 13 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Persons | 14 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Private - Persons | 15 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Government - Persons | 16 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Manufacturing - Persons | 17 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Commerce - Persons | 18 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| <u>Number Receiving Unemployment Benefit</u> | | | | | | | | |
| Males | 19 | 9-term | 3x5-term* | 1.8 & 2.8 | no | no | no | no |
| Females | 20 | 9-term | 3x5-term* | 1.8 & 2.8 | no | no | no | no |
| Persons | 21 | 9-term | 3x5-term* | 1.8 & 2.8 | no | no | no | no |
| <u>Number Registered for Employment</u> | | | | | | | | |
| Males | 22 | 9-term | 3x5-term* | 1.8 & 2.8 | no | no | no | no |
| Females | 23 | 9-term | 3x5-term* | 1.8 & 2.8 | no | no | no | no |
| Persons | 24 | 9-term | 3x5-term* | 1.8 & 2.8 | no | no | no | no |

| Series | Page No. | Moving averages used | | Limits for graduated treatment of extremes | Adjustment made for | | | |
|---|----------|----------------------|------------------|--|-------------------------|--------|----------------|------------------|
| | | Trend | Seasonal factors | | Trad-ing-day varia-tion | Easter | Aust-ralia Day | Other influences |
| <u>Job Vacancies</u> | | | | | | | | |
| <u>Registered</u> | | | | | | | | |
| For males | 25 | 9-term | 3x5-term* | 1.8 & 2.8 | no | no | no | no |
| For females | 26 | 9-term | 3x5-term* | 1.8 & 2.8 | no | no | no | no |
| Total | 27 | 9-term | 3x5-term* | 1.8 & 2.8 | no | no | no | no |
| <u>INTERNAL TRADE</u> | | | | | | | | |
| <u>Retail Sales</u> | | | | | | | | |
| Monthly retail sales - | | | | | | | | |
| All items (excluding motor vehicles, parts, petrol, etc.) | 28 | 13-term | 3x5-term* | 1.5 & 2.5* | yes(a) | no | no | no |
| Quarterly retail sales - | | | | | | | | |
| Food and drink | 29 | 5-term* | 3x5-term* | 1.5 & 2.5* | yes(a) | no | no | no |
| Clothing, hardware, electrical, etc. | 30 | 5-term* | 3x5-term* | 1.5 & 2.5* | yes(a) | no | no | no |
| All other goods (excl. motor vehicles, parts, petrol, etc.) | 31 | 5-term* | 3x5-term* | 1.5 & 2.5* | yes(a) | no | no | no |
| All items (excluding motor vehicles, parts, petrol, etc.) | 32 | 5-term* | 3x5-term* | 1.5 & 2.5* | yes(a) | no | no | no |
| Motor vehicles, parts, petrol, etc. | 33 | 5-term* | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| <u>New Motor Vehicles</u> | | | | | | | | |
| <u>Registered</u> | | | | | | | | |
| Cars and station wagons | 34 | 13-term | 3x9-term | 1.5 & 2.5* | yes(a) | yes | yes | no |
| Vehicles other than cars and station wagons | 35 | 13-term | 3x9-term | 1.5 & 2.5* | yes(a) | yes | yes | no |
| Total | 36 | 13-term | 3x9-term | 1.5 & 2.5* | yes(a) | yes | yes | no |
| <u>BUILDING, ETC.</u> | | | | | | | | |
| New houses and flats approved - Number | 37 | 13-term | 3x9-term | 1.5 & 2.5* | yes(a) | yes | yes | no |
| Total buildings approved - Value | 38 | 13-term | 3x9-term | 1.5 & 2.5* | yes(a) | yes | yes | no |
| New houses and flats commenced - Number | 39 | 5-term* | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Other new buildings commenced - Value | 40 | 5-term* | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Total new buildings commenced - Value | 41 | 5-term* | 3x5-term* | 1.5 & 2.5* | no | no | no | no |

| Series | Page No. | Moving averages used | | Limits for graduated treatment of extremes | Adjustment made for | | | |
|--|----------|----------------------|------------------|--|---------------------|--------|---------------|------------------|
| | | Trend | Seasonal factors | | Trad-day variation | Easter | Australia Day | Other influences |
| <u>Capital Expenditure by Private Businesses</u> | | | | | | | | |
| New buildings and structures | 42 | 5-term* | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Other new capital equipment | 43 | 5-term* | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Total new capital expenditure | 44 | 5-term* | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| <u>FINANCE</u> | | | | | | | | |
| Saving bank deposits | 45 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Major Trading Banks - Deposits | 46 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Major Trading Banks - Loans, advances, etc. | 47 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |
| Instalment credit for retail sales: | | | | | | | | |
| Non-retail finance businesses - Balances outstanding | 48 | 9-term | 3x5-term* | 1.5 & 2.5* | no | no | no | no |

(a) Allowance for length of month or quarter is combined with trading-day factors.

(b) Allowance has been made for an apparent abrupt change in seasonality (affecting mainly January) between December 1963 and January 1964.

* These are X-11 program standard procedures which are employed unless an alternative is specified. The X-11Q program has only standard program-selected moving averages for trend and seasonal factors.

APPENDIX CMEASURES OF VARIABILITY

The following table shows, for series included in this bulletin, selected measures of variability of the original and seasonally adjusted series, and of component series as computed in the course of seasonal adjustment, i.e. the trend, seasonal and irregular components. A corresponding measure of the variability of trading-day adjustment factors, where applicable, is also shown.

Where prior adjustments have been made (for the influence of Easter, Australia Day, or an apparent abrupt change in seasonality) their effect is excluded from the measures of variability given below for trend, irregular, seasonal factors and trading-day adjustments.

In some instances these figures are derived from analyses which do not include the latest available data.

TABLE 8

| Series | Page No. | Average percentage change without regard to sign: | | | | | | | From year to year in the seasonal factors | |
|--|----------|---|----------------------------|--------------|------------------|------------------|------------------------|------|---|--|
| | | from month to month* in the | | | | | | | | |
| | | Original series | Seasonally adjusted series | Trend series | Irregular series | Seasonal factors | Trading-day adjustment | | | |
| <u>PRODUCTION</u> | | | | | | | | | | |
| Electricity (a) | 1 | 4.85 | 1.12 | 0.72 | 0.77 | 4.09 | 4.03 | 0.19 | | |
| Gas (a) | 2 | 7.83 | 1.64 | 0.35 | 1.53 | 7.31 | 3.83 | 0.45 | | |
| Cement | 3 | 8.03 | 3.45 | 0.80 | 3.23 | 6.09 | 3.90 | 0.32 | | |
| Electric motors under 1 h.p. (a)(b) | 4 | 15.08 | 5.28 | 2.09 | 4.64 | 17.08 | 6.90 | 0.63 | | |
| Cotton woven cloth (a)(b) | 5 | 12.84 | 4.89 | 1.63 | 4.35 | 20.86 | 6.14 | 0.47 | | |
| Woollen and worsted woven cloth (a)(b) | 6 | 14.69 | 4.37 | 1.67 | 3.79 | 18.79 | 7.19 | 0.51 | | |
| Boots and shoes (a)(b) | 7 | 15.81 | 2.49 | 2.35 | 0.71 | 17.31 | 6.84 | 0.35 | | |
| Meat (a) | 8 | 6.45 | 3.08 | 1.15 | 2.74 | 5.39 | 5.55 | 0.53 | | |
| Whole milk | 9 | 16.10 | 2.68 | 1.00 | 2.31 | 16.06 | 3.98 | 0.67 | | |
| <u>OVERSEAS TRADE</u> | | | | | | | | | | |
| Imports (a) | 10 | 10.94 | 6.86 | 1.63 | 6.64 | 4.61 | 5.69 | 0.31 | | |
| Exports (a) | 11 | 14.20 | 8.02 | 1.78 | 7.56 | 10.01 | 6.49 | 0.69 | | |

| Series | Page No. | Average percentage change without regard to sign: | | | | | | |
|---|----------|---|----------------------------|--------------|------------------|------------------|------------------------|---|
| | | from month to month* in the | | | | | | From year to year in the seasonal factors |
| | | Original series | Seasonally adjusted series | Trend series | Irregular series | Seasonal factors | Trading-day adjustment | |
| <u>EMPLOYMENT</u> | | | | | | | | |
| <u>Wage and Salary Earners in Civilian Employment</u> | | | | | | | | |
| Males | 12 | 0.26 | 0.24 | 0.20 | 0.10 | 0.14 | 0.00 | 0.02 |
| Females | 13 | 0.50 | 0.34 | 0.34 | 0.10 | 0.40 | 0.00 | 0.02 |
| Persons | 14 | 0.30 | 0.26 | 0.24 | 0.09 | 0.20 | 0.00 | 0.02 |
| Private - Persons | 15 | 0.36 | 0.30 | 0.26 | 0.11 | 0.25 | 0.00 | 0.02 |
| Government - Persons | 16 | 0.28 | 0.22 | 0.20 | 0.08 | 0.23 | 0.00 | 0.02 |
| Manufacturing - Persons | 17 | 0.46 | 0.31 | 0.27 | 0.15 | 0.32 | 0.00 | 0.04 |
| Commerce - Persons | 18 | 0.69 | 0.29 | 0.25 | 0.14 | 0.62 | 0.00 | 0.02 |
| <u>Number Receiving Unemployment Benefit</u> | | | | | | | | |
| Males | 19 | 14.41 | 8.14 | 6.45 | 4.35 | 10.48 | 0.00 | 1.06 |
| Females | 20 | 7.28 | 4.46 | 4.05 | 1.94 | 5.55 | 0.00 | 1.08 |
| Persons | 21 | 11.65 | 6.84 | 5.54 | 3.37 | 8.64 | 0.00 | 0.92 |
| <u>Number Registered for Employment</u> | | | | | | | | |
| Males | 22 | 12.06 | 5.47 | 4.33 | 3.02 | 10.16 | 0.00 | 1.22 |
| Females | 23 | 8.47 | 3.45 | 2.13 | 2.43 | 7.14 | 0.00 | 0.96 |
| Persons | 24 | 9.80 | 4.32 | 3.39 | 2.45 | 8.48 | 0.00 | 0.94 |
| <u>Job Vacancies Registered</u> | | | | | | | | |
| For males | 25 | 9.64 | 4.88 | 3.96 | 2.82 | 8.91 | 0.00 | 1.10 |
| For females | 26 | 7.67 | 3.47 | 2.19 | 2.44 | 7.08 | 0.00 | 0.75 |
| Total | 27 | 8.58 | 4.05 | 3.30 | 2.27 | 7.85 | 0.00 | 0.93 |
| <u>INTERNAL TRADE</u> | | | | | | | | |
| <u>Retail Sales</u> | | | | | | | | |
| Monthly retail sales | 28 | 8.04 | 0.83 | 0.45 | 0.74 | 6.66 | 4.28 | 0.08 |
| All items (excluding motor vehicles, parts, petrol, etc.) | | | | | | | | |
| Quarterly retail sales | | | | | | | | |
| Food and drink | 29 | 4.85 | 1.40 | 1.26 | 0.40 | 4.29 | 1.10 | 0.09 |
| Clothing, hardware, electrical, etc. | 30 | 16.71 | 1.57 | 1.38 | 0.53 | 16.10 | 1.10 | 0.10 |
| All other goods (excl. motor vehicles, parts, petrol, etc.) | 31 | 13.18 | 1.74 | 1.51 | 0.60 | 11.33 | 1.10 | 0.09 |
| All items (excluding motor vehicles, parts, petrol, etc.) | 32 | 9.60 | 1.34 | 1.26 | 0.30 | 8.74 | 1.10 | 0.07 |
| Motor vehicles, parts, petrol, etc. | 33 | 6.64 | 3.36 | 2.88 | 1.48 | 5.52 | 0.00 | 0.24 |

| Series | Page No. | Average percentage change without regard to sign: | | | | | | |
|---|----------|---|----------------------------|--------------|------------------|------------------|------------------------|---|
| | | from month to month* in the | | | | | | From year to year in the seasonal factors |
| | | Original series | Seasonally adjusted series | Trend series | Irregular series | Seasonal factors | Trading-day adjustment | |
| <u>New Motor Vehicles Registered</u> | | | | | | | | |
| Cars and station wagons (a) | 34 | 10.82 | 5.62 | 2.12 | 4.86 | 6.95 | 6.31 | 0.35 |
| Vehicles other than cars and station wagons (a) | 35 | 10.65 | 5.07 | 1.79 | 4.60 | 8.37 | 5.84 | 0.26 |
| Total (a) | 36 | 10.40 | 4.78 | 1.76 | 4.07 | 7.17 | 5.96 | 0.30 |
| <u>BUILDING, ETC.</u> | | | | | | | | |
| New houses and flats approved - Number (a) | 37 | 12.07 | 6.17 | 1.37 | 5.88 | 8.60 | 6.63 | 0.37 |
| Total buildings approved - Value (a) | 38 | 12.80 | 7.49 | 1.48 | 7.21 | 9.90 | 6.63 | 0.36 |
| New houses and flats commenced - Number | 39 | 6.30 | 4.86 | 3.53 | 2.70 | 4.10 | 0.00 | 0.21 |
| New buildings, other than houses and flats, commenced - Value | 40 | 16.22 | 11.78 | 6.60 | 7.21 | 9.54 | 0.00 | 1.12 |
| Total new buildings commenced - Value | 41 | 9.12 | 6.56 | 4.70 | 3.40 | 5.66 | 0.00 | 0.49 |
| <u>Capital Expenditure by Private Businesses</u> | | | | | | | | |
| New buildings and structures | 42 | 13.92 | 5.10 | 3.85 | 2.63 | 11.79 | 0.00 | 0.51 |
| Other new capital equipment | 43 | 13.25 | 5.68 | 3.78 | 3.75 | 13.44 | 0.00 | 0.47 |
| Total new capital expenditure | 44 | 12.53 | 3.86 | 3.15 | 2.24 | 11.93 | 0.00 | 0.41 |
| <u>FINANCE</u> | | | | | | | | |
| Savings bank deposits | 45 | 0.77 | 0.71 | 0.70 | 0.16 | 0.45 | 0.00 | 0.03 |
| Major Trading Banks - Total deposits | 46 | 1.27 | 0.64 | 0.49 | 0.34 | 1.08 | 0.00 | 0.07 |
| Major Trading Banks - Loans, advances, etc. | 47 | 1.31 | 0.78 | 0.70 | 0.29 | 1.19 | 0.00 | 0.09 |
| Instalment credit for retail sales: Non-retail finance businesses -- Balances outstanding | 48 | 1.10 | 1.00 | 0.98 | 0.18 | 0.52 | 0.00 | 0.05 |

* From quarter to quarter in quarterly series.

- (a) In seasonally adjusting these series, allowance has been made by prior adjustment for Easter and/or Australia Day corrections.
- (b) In seasonally adjusting these series allowance has been made by prior adjustments for an apparent abrupt change in the seasonality affecting December and January from December 1963 onwards.